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WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Wet Corn is a problem this spring in the northern corn belt. Warm weather will spoil lots of Iowa corn if something isn't done about it soon. Problem discussed in detail on page 5.

Will Your Corn Keep?

DO YOU have cribbed corn with more than 20 per cent moisture? If so, it's high time to think about doing something to keep it from spoiling.

Lots of corn from central Iowa north is too wet to seal. In some places, sealing has dropped sharply since the heavy February snows.

And some deterioration has been reported by AAA officials.

Most farmers figure wet corn will start to spoil badly about corn planting time. So, if you have a wet crib, you'll have to do something about it soon.

But what to do? Shelling and shipping is complicated by the boxcar shortage.

Maybe you can sell to a feeder in your community. Or you might be able to get moisture down to a safe storage level by drying or moving.

It will pay you to save last year's corn before worrying about this year's crop. For helpful ideas on what to do with wet corn, read the story on page 5.

School children may not get hot lunches now that federal funds no longer are available. Farmers, thinking about future surpluses, want the program continued. Read the story on page 20.

High Prices for hogs make farmers wonder how they can get most advantage from dizzy market. The story on page 10 digs into special problems now facing hog raisers.

APRIL 5, 1947

IOWA'S LEADING FARM NEWSPAPER

● Changing the farming pattern of his community from the old one-crop cotton system to a program of balanced farming earned for M. P. Moore, Senatobia, Mississippi, election to the Champion Farmers of America in 1944. On the 15,000 acres which he owns or manages, he pioneered soil conservation methods which are now accepted practice. He proved that legumes and other feed crops can be grown, and that properly managed rundown land will profitably support livestock. On a greatly reduced acreage he grows as much cotton as was ever produced on his farms under the one-crop system, and on the acres removed from cotton production he raises feed for hundreds of cattle. The purebred Polled Herefords on his Circle "M" Ranch are among the best. For four consecutive years his auction prices have set new world records. CMR Rollo Domino 28th topped his 1946 sale at $28,000, while 50 head sold at the record high average of $2,588. His many tractors are equipped with Firestone Ground Grip tires, and he says that the new Firestone Champion Ground Grip is the best tire he has ever used.

NOTE: *For more information about Champion Farmer Moore, write to The Firestone Tire & Rubber Company, Akron, Ohio, and ask for booklet on "M. P. Moore, Champion Farmer."*

Champion Farmer Moore Uses Firestone CHAMPION GROUND GRIPS

M. P. MOORE
CIRCLE "M" POLLED HEREFORD RANCH
SENATOBIA, MISS.

THERE are four sound reasons why men like Champion Farmer Moore are putting their tractors on Firestone Champion Ground Grips: (1) *they clean up to 100% more effectively;* (2) *they pull up to 62% more;* (3) *they last up to 91% longer; and* (4) *they roll more smoothly on the highways.*

The extra high, curved, connected traction bars make this superiority possible. Shaped like a pyramid, they cut into the soil with a sharp, cleaving action. Mud falls from them freely because the space between the bars is wider at the shoulders than near the center of the tread. The bar connections brace and strengthen the tread and give the tires a powerful "center bite" in the very heart of the traction zone. The tires roll smoothly because the curved, connected bars are in continuous contact with the highway.

It will pay you to insist upon Firestone Champion Ground Grips for your tractor. They cost no more than ordinary tires.

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Special discounts are now in effect on the famous D-X and Diamond Lubricants and other farm necessities. Now is the time to stock up with high quality products at money-saving prices.

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INSIDE STUFF

TELL THIS to your high school boy or girl: Ohio driving tests show that boys and girls under 20 have a slower reaction time than folks 20 to 29.

▲ ▲

THIS MEANS that a high school driver is slower in getting the brakes on than a slightly older person. The moral, of course, is that Johnnie and Susie should drive more carefully.

▲ ▲

IF JOHNNIE asks you about the reaction time of folks over 40, change the subject.

▲ ▲

SKY-ROCKETING prices of wheat and corn last month made many farmers rub their eyes, wonder if the war boom was still going on and on and on.

▲ ▲

DON'T BET on it. A bunch of speculators got excited over the prospects of another war. But they forgot that a big wheat crop is on the way—a big corn crop is on hand.

▲ ▲

ALSO FORGOTTEN, for the moment, was the fact that congress hasn't yet voted much money for shipments of food overseas.

▲ ▲

BUT WHEAT price prospects this fall do look better than a month ago. So do prospects for soybean prices.

▲ ▲

MAYBE THAT'S WHY farmers in Iowa are planning to raise more soybeans than last year, in spite of a low support price. But don't figure on soybeans selling next fall for present prices.

▲ ▲

A VISITOR with a long experience in Europe told me: "Don't get excited about Communists. Communists are no trouble in a country that is prosperous."

▲ ▲

AS TO GREECE, he said: "Greeks I have known would like to be independent farmers, independent business men. They have no natural taste for Communism. Give them economic help and Communism won't have a chance there."

▲ ▲

ON WAR with Russia: "The United States got along with the czar. We can get along with Stalin. Remember, too, that Russia controls Europe now, in a military sense.

▲ ▲

"THE DAY AFTER war was declared, Russian troops would take over all Europe. We would have to fight our way again thru France, thru Germany, to get to the present Russian line."

▲ ▲

FOLKS WHO have had undulant fever (it is spread sometimes by milk from herds with Bang's disease) will look kindly on the Iowa bill to force pasteurization of all milk sold at retail.

I DON'T SUPPOSE anybody **planned it that way, but the news of the death of Ward Barnes, Eagle Grove, Iowa, editor, came out in the daily press on Sunday, May 16. On the same day, the department of journalism at Iowa City made an announcement.**

▲ ▲

WARD'S editorial column, the department said, scored higher in a reader-interest survey than any other editorial feature they had found in newspaper surveys. It was read by 70 per cent of the men readers and 76 per cent of the women readers.

▲ ▲

ANY EDITOR would like that kind of an epitaph. I hope somebody managed to tell Ward Barnes about it before he died.

▲ ▲

A COUNTY AGENT in Wisconsin tells me the extension service in the counties there is financed entirely by public funds. County, state and federal money all help keep this kind of work going.

▲ ▲

"HOW DO YOU get in touch with farmers?" I asked. "You can't see every farmer in the county. You have to have some kind of organization."

▲ ▲

"EACH TOWNSHIP elects a member of the county board," said this man. "That means I have a farmer in every township who has been elected by his fellow farmers. He's the contact man."

▲ ▲

RUSS LORD'S new book about the Wallaces is reviewed on page 32. Russ himself had a close-up of much of the New Deal from 1933 on. What he writes of that period comes from close personal observation.

▲ ▲

SOME FOLKS saw the same events differently, of course. I'd like to hear from readers who can add to or correct anything in Lord's record of the Wallaces.

▲ ▲

I WAS READING over 1919 issues of this paper the other day. If you read the paper then, you'll remember the warning we gave about high land prices and the probable collapse in prices after a world war.

▲ ▲

HERE'S HOPING that the economic advice in the paper today sounds as reasonable to anybody who checks back on it in 1975.

▲ ▲

BUT IT WILL always be true that nobody goes broke taking a profit. Cash in on present high prices while you can. Next year it will be different.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD

Volume 72—Number 7

Dante M. Pierce, Publisher. Published first and third Saturdays of each month, at 1912 Grand Ave., Des Moines, Iowa. Subscription price, postpaid, $1 for two years. Canadian and foreign countries, $1.25 for one year.

Editors: Donald R. Murphy, Homer Hush, Merrill C. Gregory, Wallace D. Inman, Cyril L. Moffitt, Wendell S. Clampitt. Zoe R. Murphy, Home Department; Earl F. Wisdom, Legal Editor; F. I. Wood, Service Bureau.

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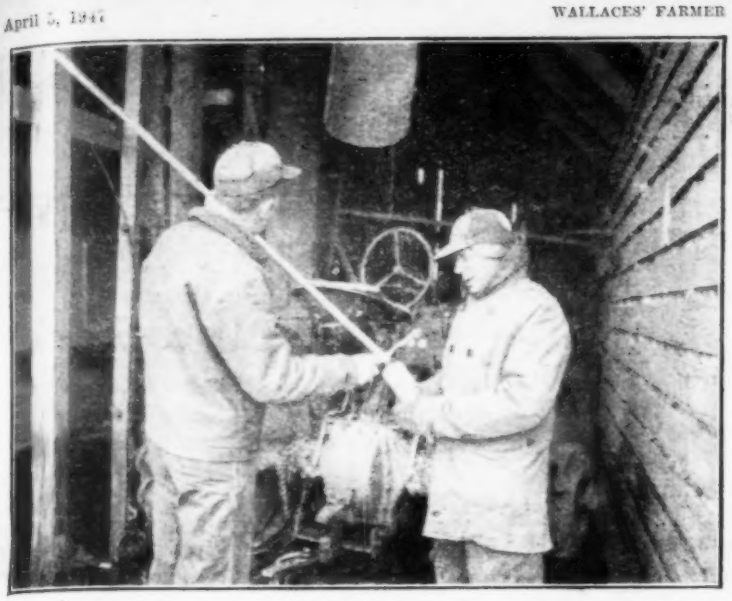


Sampling for moisture test is the first thing to do if you suspect that your corn is too wet to keep. Here, Gordon Ruth holds car corn probe. He is pouring corn taken from center of crib into sack held by Frank E. Conard. They live in Calhoun county, Iowa.

Testing corn sample for moisture content is second step in finding out if corn is dry enough to keep thru warm weather. Test is being made in Calhoun county, Iowa, AAA office. Charles L. Mahe is at left, Herman L. Dahlke is at right. This sample tested 18 per cent.

Save Last Year's Corn First

IS YOUR CORN in the crib too wet to keep? A lot of it is in the northern corn belt.

Eighteen elevator men reporting to a PMA meeting at Spencer, Iowa, in March, reported corn in farmers' hands with 22 to 35 per cent moisture. This corn is waiting to be shelled, and no boxcars for it.

Corn too wet to seal for government loans is found as far south as Carroll county, Iowa. John Baumhover, AAA vice-chairman for that county, said 10 per cent of the cribs sampled for sealing after the February blizzard had to be turned down on moisture content. Some corn had 24 per cent moisture.

A Sac county, Iowa, sealer made a similar report. He found cribs of corn with 25 per cent moisture.

The wet corn extends from central Iowa north into Minnesota and southeastern South Dakota. If you're in that area, your corn should be tested for moisture. Here are questions you'll need answers to.

What per cent of moisture can corn have at this time of year without danger of spoiling?

Corn was accepted for AAA loans with moisture up to 20.5 per cent up to April 1. Now, the moisture content must be down to 17.5 in cribs of approved width.

Those are the percentages thought to be safe by the Commodity Credit Corporation. It has had experience in sealing corn for 13 years now.

Maybe the CCC is overly cautious. Some farmers will be willing to take a chance on corn up to 20 per cent or a little above.

Conditions that would make corn safe at higher than 17.5 per cent moisture are lots of dry, windy weather, narrow cribs, or well ventilated cribs. But if your corn has more than 17.5 per cent moisture, it should be watched.

How can an accurate test of moisture in corn be made?

The sample can be taken with an ear corn probe such as corn sealers use. Gordon Ruth is shown above taking a sample for Frank E. Conard, Calhoun county.

Another method is to take a few loads of corn from the crib. Then you will be able to get a sample from the middle of the crib. Samples from the edge may mislead you. They may indicate the corn is dry enough to keep when it isn't.

After a crib sample is secured, it should be taken at once to your elevator or AAA office, where a test can be made. There should be a lid on the container, as the corn might lose a lot of moisture between the crib and the testing machine.

What can be done if the corn is found too wet for warm weather?

Sell the corn, if you don't need it for feed. You might sell to a feeder if your elevator can't get cars. But there will be a big dock for No. 5 or sample grade corn. No. 5 corn must not exceed 23 per cent moisture. Above that is sample grade.

Dockage on some corn has been more than 30 cents per bushel below the price for No. 2. But that is better than spoilage. And it isn't all loss, as a lot of water is being sold with high moisture corn.

But some may not be able to feed or sell wet corn. What then?

Some method of drying will be necessary. If you have, or can get, equipment, a fan and a furnace for heat—that is one method. Some elevators have driers.

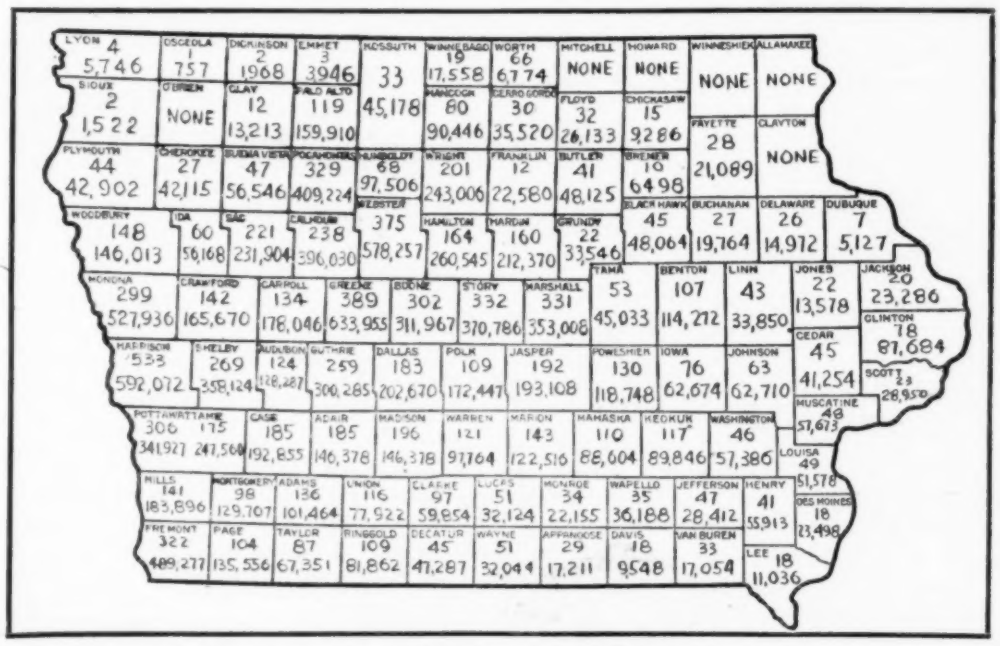
But some farmers will have to get along without artificial drying. There are some things they can do.

Moving wet corn helps dry it out. Tightly settled areas in the cribs are broken up. Air gets thru the corn in a new crib much more freely for a while.

Moving a crib of wet corn also gives an opportunity to sift out trash and shelled corn and do some sorting. And the new crib can be fixed up with ventilators.

To save wet corn, however, you will have to act at once. Some deterioration is already reported by A. J. Loveland, Iowa PMA chairman.

At present prices of corn, you might make just as much money saving the 1946 crop as you would make in hurrying the 1947 crop into the ground.



Corn Loans in Iowa have been limited in some areas by high moisture corn. This map shows loans made by counties and number of bushels under loan at end of February. Top figure is number of loans, lower figure is bushels. State total, 11,642,852 bushels.

Editorials

Grow Them Out Quick This Year

ON SOME farms this spring, it snowed every time a sow made her nest. And about the time the pigs needed sunshine, the sleet came down.

There are fewer pigs than most farmers wanted. But there is still a big crop.

Every pig is worth his weight in shoes, overalls and other things farmers buy.

Keep the pig clean. Keep him well-fed. Keep him pushing along.

Protein, minerals, vitamins—be liberal with all three. Get the pig on grass and in the sunshine as soon as you can.

Push him. You can't lose this year on a pig that goes to market any time from now thru September.

After that, nobody knows what will happen. But September will be better than October; October better than November; November better than December.

And December may be a whole lot better than January.

Whenever the pigs come, push them fast. Early or late, push them hard. The pig that goes to market in six months will make more money for you than the one that takes seven or eight.

This is the hog raiser's big chance. Hog prices are fine; there's plenty of feed. But sell spring pigs just as early as you can.

WHICH WAY?

For any farmer who looks ahead, the air is full of questions. What does the present spurt in wheat and corn prices mean? Will federal loans abroad keep the war boom going?

Farmers face a period when changes can come fast. Read every issue of this paper for the facts that will help you to meet these changes.

How to Keep Your Soil From Slipping

HAVE you got a place on your farm that is washing badly? Is there a hillside where little ditches appear after every rain, and the top soil seems to be slipping away fast?

You can do something about it if you have a little time. You can build terraces with your tractor and two-bottom plow.

You don't have to have special machinery or be a professional operator to build terraces. But you do need a man with special instruments to lay out terrace lines.

Terracing is different from contouring. You can lay out contours with home-made leveling devices and inexperienced help. If the contour is a little out of level, or if the slope varies a little, no great harm is done. But it's much better to have even the contour lines uniform.

But if a terrace is built with a low place at one point, the terrace ditch will fill there. Then the water will break over and there may be a big ditch on a sidehill.

But the surveying needn't bother you if you have time to make plow-built terraces this spring. The Soil Conservation office will send a man to survey your land and lay out the terrace lines if your county is in a soil conservation district. Over 80 Iowa counties are now organized.

But suppose you don't know how to build a terrace with a plow. There are two ways to find out. Go to the nearest Soil Conservation office. Or drive to some of the counties where farmers have been making plow-built terraces for several years. See the terraces and talk to those who made them.

You may get some warnings. One is that terracing should begin at the top of the hill. Hold the water before it gets started. You can't stop the water halfway down the slope or even a fourth of the way. Start right at the top.

Experienced farmers may tell you that grassed water-ways go with terracing. There will be some water flow out the ends of the terrace, especially where terraces are built with a slight slope.

Maybe grassed water-ways are the job for this spring. If you can't find time to build terraces, get the land surveyed and seed the water-ways. Then next fall or spring, the terraces can be built.

Is Another War Coming?

WHEN you heard President Truman ask for help for Greece and Turkey, did you wonder: "Is this the start of World War III?"

So did many other farmers.

We need to remember that the president asked for two things:

1. Military loans for Greece and Turkey.
2. Loans for aid to Greek agriculture and industry.

Some folks say that military loans will get us into trouble. Loans for peaceful purposes may get us out of trouble.

Others will say: "Why do we bother with Greece at all? It's none of our business whether Greeks starve or riot. Let's pull out of Europe and Asia, stay home and mind our own business."

We stayed home after World War I. But World War II got us just the same.

Staying home is no road to safety.

Others will say: "We've got to stop Russia sooner or later. Let's stop her at the frontiers of Greece."

But what are the best weapons against Communism? Bayonets or food?

ALL of the money President Truman asks for Turkey would go to the army. Over half the money asked for Greece would go to the army.

Will building up the Greek and Turkish armies stop the spread of Communism?

Some Americans who have been on the ground in Greece have a different view. So does the international commission from FAO.

To them, the enemy is not Communism. It is hunger and cold. Greece needs more food. Greece needs help to get agriculture going again. Greece needs more ships, more shipyards, more jobs.

The Communists are a threat in Greece now, because the Greeks are cold and hungry. Hungry people turn, as the Germans did after 1930, to Communism or to Fascism.

JUST to lend money to the present government of Greece looks like throwing good money after bad.

King George and his backers have had a lot of British and American money up to date. It's all gone down the drain.

There is a strong argument for loans to Greece that will really help that country. But the loans must be aimed at getting the nation to producing. And the loans must be administered by American or by United Nations officials.

Congress should whittle the Truman proposals down to this shape.

PEOPLE who say the United States can pull out of Europe and Asia are wrong. To save ourselves we have to work for a peaceful world.

We dare not let Greece—or Italy, or France, or Germany—sink into chaos and despair. New Hitlers will breed in that soil. Or Communists will move in.

We must be willing to give substantial help, with our money and our skill. We must help these folks get food and jobs.

That is the road to peace.

The road to war is equally well marked. On that road, we furnish money to build armies to send against the Reds. And we ignore the misery that breeds Reds.

That is the road to World War III.

If Iowa Collects More Taxes

IF THE state of Iowa takes in more money in taxes — such as 100 per cent of the income tax instead of the 50 per cent now collected—how should this extra money be used?

Iowa farm people, in a Wallace-Homestead Poll, voted this way:

More state aid for schools	66 pct.
More state aid for farm-to-market roads	25 pct.
State bonus for veterans	5 pct.
Undecided	4 pct.

This shows a heavier vote for schools and roads than an earlier survey, which asked only about use of the state surplus. Farm Bureau members gave school support a 73 per cent vote of approval.

Odds *and* Ends

More Sense On Potatoes This Year

MAYBE we'll get a chance to eat up the potato surplus this year, if we have one. Last year, potato prices stayed high, consumption was held down, potatoes rotted in the ground, and farmers were paid support prices at heavy government cost.

Consumers, who were also tax-payers, paid twice—once in subsidies to growers, and again in higher prices for potatoes.

Secretary of Agriculture Anderson is trying a better plan this year.

The government will buy some potatoes and take them off the market. But they'll be used for alcohol, starch, etc. They won't be bought to rot.

If the potato price goes below the support level, then the government will make a compensatory payment to farmers who have kept within their planting allotment.

If the support price is $2.40 and the market only pays $1.40, the farmers gets a compensatory payment of $1. Thus, consumers will get potatoes at a more reasonable price. The cooperating farmer will be protected. And the potatoes will be eaten.

This compensatory payment plan is the only way in which prices received by the grower can be effectively supported. It is also a fine way to get surpluses consumed.

Less Corn, But More Soybeans

WHILE prices of soybeans were booming, but before the spurt in corn prices, farmers of Iowa said they were going to cut corn acreage 3 per cent. And that they would put 15 per cent more land in soybeans than last year.

This is the report of a survey made by the Bureau of Agricultural Economics.

Corn planting time is quite a ways off. Some farmers may think again before May arrives.

SPECULATORS who made a bull market out of the war scare contributed a lot of good cash to farmers who sold corn and wheat last month.

IF YOU'RE going to plant soybeans, get your seed now. Remember the trouble some folks had getting seed last year.

IF YOU have a mortgage on your farm, is it for five years or 25 years? If it is for five, try to get it refinanced for 20 years or longer. It may be hard to renew five years from now.

"THOSE who believe in vengeance and in the punishment of a great mass of Germans not concerned in the Nazi conspiracy can now have no misgivings, for all of them—in food, warmth and shelter—have been sunk to the lowest level known in 100 years of western civilization. If western civilization is to survive in Europe, it must survive also in Germany."—Herbert Hoover.

THOUSANDS of Iowa farmers have electricity on their farms because of federal help to REA. A state tax policy should be adjusted so that further expansion of such lines won't be hindered.

HOW much money will be spent on research in the social sciences? We do a good job in making new machinery, but a poor job in learning how to use new machinery to help people live better.

RESEARCH in social psychology, anthropology, sociology, economics and related fields helps people to learn how to live with twentieth century tools. But not all congressmen or state legislators vote appropriations in line with the importance of these subjects.

DON'T look for a lot of corn to be sent to Europe, no matter how great the need. They'll want wheat first, and wheat will fill up most of the boxcars available.

BUYING power of salary and wage earners has been going down lately. Savings are decreasing. This will make some difference in food buying habits as the months go by.

LIGHT hog slaughter this summer will keep beef prices from dropping very far. And beef supplies may keep hogs from breaking into $30 territory again.

FEDERAL buying of frozen and dried eggs is helping to keep egg prices up to support levels, in spite of heavy production.

FARM income for 1947 may run very close to 1946 levels. But the usual estimate is that the first half of 1947 will be a good deal better than the last half.

WHEN anybody tells you that farmers were the most prosperous in history in 1946, you might add: "But out of that money, we'll have to pay for decreased fertility, deterioration of buildings, fences, etc."

FARMERS bought less protein feed early this year, because (1) they were using up reserves, and (2) protein prices were dropping. They're buying more now as prices level out and as young stuff demands more protein feed.

CONSUMERS in the United States ate 125.6 pounds of meat per person in 1925-39. They'll manage 150-155 pounds this year. Beef is up from 54.8 pounds to 70-72 pounds per person.

DID you ever pitch hay in an old barn, where the mows were built low so a tall man could reach them with a pitchfork? Eighty years ago, the first hay carrier was introduced by William Louden, of Fairfield, Iowa.

FIRST litter carrier also turned up in Fairfield, 50 years ago. That surely took a lot of backache out of dairying.

FARM land sales in Grundy county, Iowa, last year averaged $226 per acre, according to the Grundy County Register. In the period 1918-22, the average was $253. But a few farms brought as much as $500 per acre.

DOES your wife carry 20 to 30 tons of water a year? That's what Iowa State College says happens on a farm that doesn't have water in the house.

SOME farmers are curious about exports of tractors. Late figures show that in 1946 a total of 307,000 was sold for farm use in this country. Of this class, 54,000 tractors were exported.

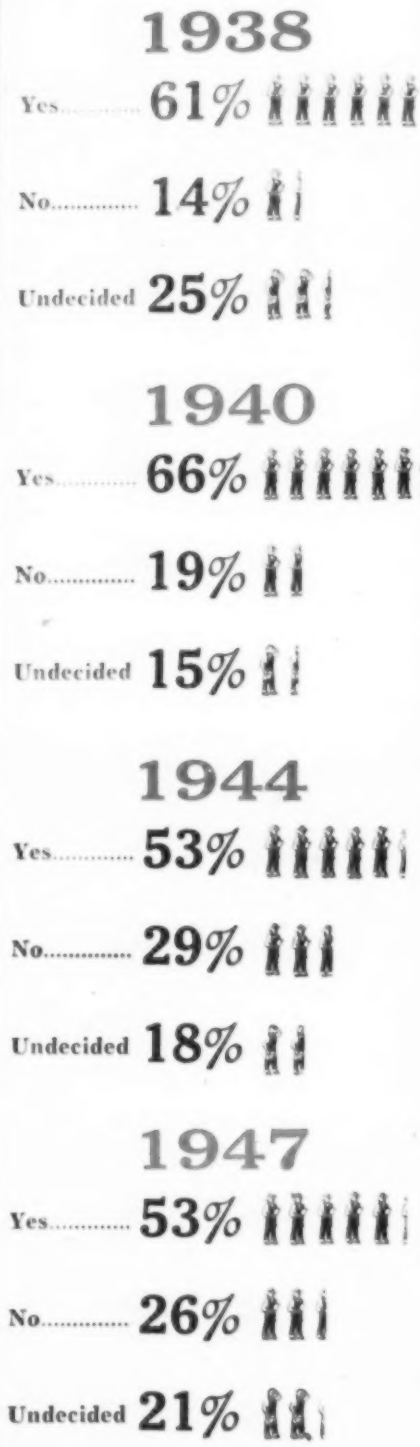
ONE way to prevent war is to get farms abroad producing food again. Sending 54,000 tractors overseas is cheaper than sending 54,000 tanks, and will do a lot more good.

Song of the Lazy Farmer

I DO NOT know a single thing that beats arrival of the spring; when robins sing and frost is gone, I like to pop right out at dawn and tramp around the place a mite to work me up an appetite. There's nothin' like the fresh spring air to blow away 'most ev'ry care; the smell of muddy earth is great, this time of year I can not hate a single thing about my life, not even when my dear old wife starts shoutin' at me from the door to go and do some nasty chore; I almost feel like doin' it, that's how much spring can dull my wit.

The reason that this time of year is filled with happiness and cheer is that there's no more fires to build in early morn when I am chilled. I do not have to shovel snow from driveways so my wife can go skedaddlin' off to club or town; and I can always lay me down 'most anywhere to rest my form without a blanket to keep warm. Of course, spring has its drawbacks too, there's always lots more work to do, but when Mirandy starts to look for me, I'll be down by the brook to see how fishin's apt to be when summer fin'ly comes, by gee.

"DO YOU THINK the Iowa legislature should pass a law providing that a landlord's lien should be limited to half of the crop and half of the increase in livestock?"



If A Tenant Can't Pay His Rent

Should He Lose His Shirt, or Half the Value of the Crop?

★ A WALLACE-HOMESTEAD POLL ★

NO TENANT has had trouble lately in paying his rent. But there have been times when he had plenty.

Back in the hard days of 1932, many a renter couldn't make his payments. And some landlords used the landlord's lien up to the limit.

Under the Iowa law, the landlord's lien covers almost everything except the baby's diapers.

So, when landlords got tough, the tenants got tough, too. That was when we had "penny"sales.

The tenant's goods were sold off, but cows went at 5 cents apiece, to the neighbors. And there were gas pipes handy for any bidder who had other ideas.

The neighbors gave the cows—and other stuff—back to the tenant after the sale.

That was one way to reform the landlord's lien. But it wasn't a good way.

So, in 1937, the Iowa Tenancy Commission recommended that the law be changed so that the lien would cover only half the crop and half the increase in livestock.

There was plenty of farm support for the bill, but it didn't get to first base in the legislature.

A Wallace-Homestead Poll in 1938 showed 61 per cent of Iowa's farm people for the change, with only 14 per cent against it.

Another poll in 1940 showed about the same results—66 per cent for and 19 per cent against.

But this strong farm demand still didn't result in the making of any legislative changes.

Then, in 1944, the Wallace-Homestead Poll checked sentiment again. But by this time, farm income was up. Folks weren't worrying about liens.

The approving vote dropped to 53 per cent. And this winter, a similar poll showed an approving vote of 53.

The charts at the left tell the story. Good times have made farm people less interested in tenancy reform.

Renters, of course, are still mighty interested. In the current poll, 60 per cent of the tenants wanted this change, as against only 46 per cent of the owners.

In all groups together, there are two farmers who want the lien changed to one who doesn't.

In spite of the fact that the Iowa Farm Bureau Federation has supported such a change, only 49 per cent of the members interviewed voted "Yes." Non-members gave stronger support.

Dewey voters showed a two-to-one margin for the reform (50 per cent to 25 per cent), but Roosevelt voters were just a little more favorable.

One Jones county farmer spoke up for the change in the law:

"Why should the landlord be entitled to more than half the farm's yearly income? The tenant surely earns his half."

But a Jefferson county farmer said: "Half would be right for the landlord's share if the renter tried to raise a crop. But what if he spent his time on the road and neglected his crops?"

"No, I wouldn't favor the change," said a Bremer county farmer. "If a renter agrees to pay a certain rent, he should pay it, regardless of his income."

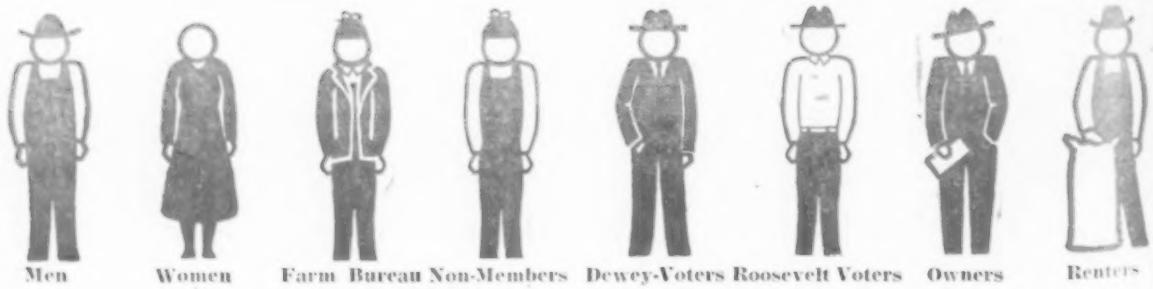
An Ida county man suggested: "The landlord is entitled to all his rent except where there is a crop failure. But his lien should cover only what is raised on the farm."

Change of the landlord's lien is only one of a number of legislative moves that have been recommended by tenure commissions and farm organizations.

Another is the strengthening of the notification law. Now a party to a lease must be notified by November 1 if the lease is to end the following March 1. The Iowa Farm Bureau Federation has recommended that the date be moved back to September 1.

To Reform Landlord Lien Law

(1947)



	Men	Women	Farm Bureau	Non-Members	Dewey-Voters	Roosevelt Voters	Owners	Renters
Yes	57%	47%	49%	57%	50%	55%	46%	61%
No	29	25	29	23	25	30	31	21
Undecided	14	28	22	20	25	15	23	18

Farmers near Decorah, in Winneshiek county, Iowa, are enthusiastic about winter night school. Here Instructor Kenneth Reeves talks about poultry.

After Class two adult school members, Mr. and Mrs. Ellis Pilgrim, tell instructor about the problem of cannibalism in their poultry flock. Reeves uses jars containing feed ingredients to explain the importance of balanced poultry ration.

Farmers Learn In Night School

FARMERS all over Iowa are enthusiastic over "night schools" held each winter by high school vocational agriculture instructors.

Pictures on this page show how a typical school—at Decorah—is conducted and how lessons are applied to practical farming.

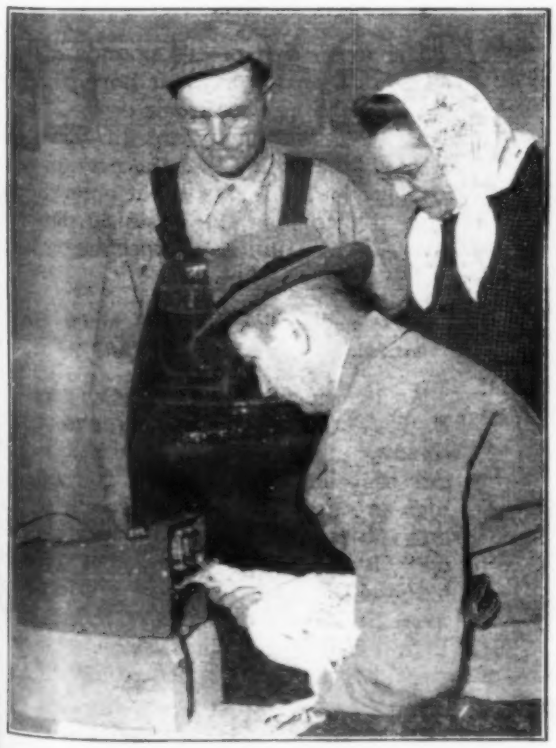
From October thru January, 40 farmers attended the Decorah adult school each week. Vocational Ag Instructor Kenneth Reeves discussed management, feeding, soils and crops. An elected council of farmers helped choose subjects.

Reeves often visited farms to help with individual problems.

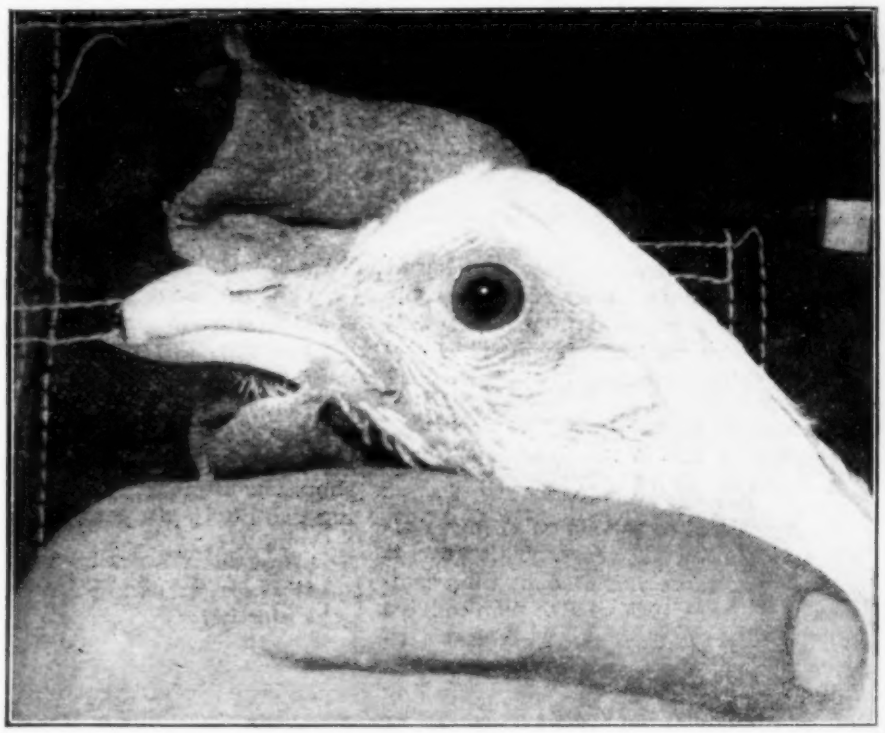
Decorah classes met at 8 p. m., Wednesdays. Each week a committee was named to bring food for an after-class lunch. When the year's classes were over, the Decorah adult school held a "social."

Farmers in the Decorah community look forward to their "night school" from year to year. Many new members have been recruited thru the policy of passing on good ideas that have come out of the evening classes.

Next Day Reeves visits Pilgrim farm to see cannibalism in laying flock. He suggests beaks be clipped, recommends purchase of an electric debeaker to do the job.



After debeaker arrived, Reeves made a second trip to Pilgrim farm to demonstrate the device. Mr. and Mrs. Pilgrim watch him with intense interest.



Close-Up shows a newly debeaked hen. Electric debeaker snips tip from upper bill by means of a red-hot blade, which cauterizes beak at same time. After learning to use device himself, Pilgrim showed his neighbors how to do it.

Pigs come in the spring and fall on the Marvin McClean farm, in Poweshiek county, Iowa.

Big Prices Bring Hog Problems

How Can Sows and Pigs Be Hurried to Market Condition?

HOGS at $26 or $27 and a 1 to 18 corn-hog ratio do not end all of the hog raiser's management problems.

The present hog market brings some hard questions to the hog raiser. The wrong move by the hog man might cause him to lose, in the future, any advantages that the high market has given him.

The first question may be this: Should I increase or decrease the number of sows kept for pigs this spring and next fall? Some sows could still be sold.

If a farmer increased his pig raising in line with the present profit margin in feeding, and if his neighbors did likewise, the result might be a few years of low-priced hogs compared with feed prices. The losses might use up the big profits now being made.

On the other hand, if the hog raiser sells his big hogs now and takes the profit, he might find that others had done the same. Then he would be short of hogs next year. No one can be sure that hog profits will not be good for another year.

But if the farmer decides not to try to beat this guessing game, and keeps his usual number of sows, there are still management problems brought about by the record hog prices.

How should brood sows be handled when each one is worth as much as a cow used to bring?

Early sale of sows that raise pigs usually pays in normal years. This year, it might bring more extra money than commonly. At least, it is wise to plan to have them ready for market as early as possible this summer.

There are about four things the hog raiser can do to get the sows ready for market in mid-summer:

1. Get the pigs to eating for themselves as early as possible. Creep-feeding will help. Get good, clean feed before the pigs when they are a week to 10 days old.

2. Feed the sows well during the suckling period. This will save loss of flesh. It might pay to be a little freer with corn than usual. But don't cut down the protein, as that would delay the time when the pigs could be weaned.

3. Wean the pigs early. Experiments have shown that weaning at from seven to eight weeks won't hurt the pigs if they have been taught to eat, and if the pigs are provided a high-protein feed.

4. Plan to sell the sows when their underlines are smoothed up. Extra finish on packing sows doesn't usually mean very much, if any, higher prices.

Should old sows be kept over? Or should the hog raiser depend upon gilts for the 1947 fall pig crop and the 1948 spring pig crop?

Some hog raisers will wonder whether they should keep a 400 or 500-pound old sow to do a job that can be done by a 300-pound gilt.

Breeders will want to do it, of course. But the commercial hog producer may find it to his advantage to sell the old sow and use the gilt. Certainly, gilts should be used unless the old sow is raising two litters per year.

How should pigs be fed when hog prices are at such a dizzy height as at present?

Fast gains are in order now. Cost of gains is really not very important. Very few hog raisers will try to grow pigs on grass and a light grain feed this summer.

Full-feeding, whether by hand or with self-feeders, makes fastest gains. Fortunately, full feeding makes cheap gains, too. But the kind of feed used has something to do with speed of gains.

High protein levels of feeding make faster gains than feed with lower percentages of protein. Two Minnesota experiments indicate the starting feed for pigs should be 18 to 20 per cent protein.

A 1943 test showed that 73-pound pigs gained fastest on a 20 per cent protein ration. The comparison was with 17.5 and 15 per cent protein levels in the feed.

A 1944 experiment at the same station showed that 50-pound pigs gained most rapidly when started on an 18 per cent protein ration.

How much did the high protein rations increase the cost of gains in the Minnesota experiment?

The extra cost of 100 pounds of gain was less than the amount hogs often go down on the market in one day—30 to 40 cents. Not very important this year!

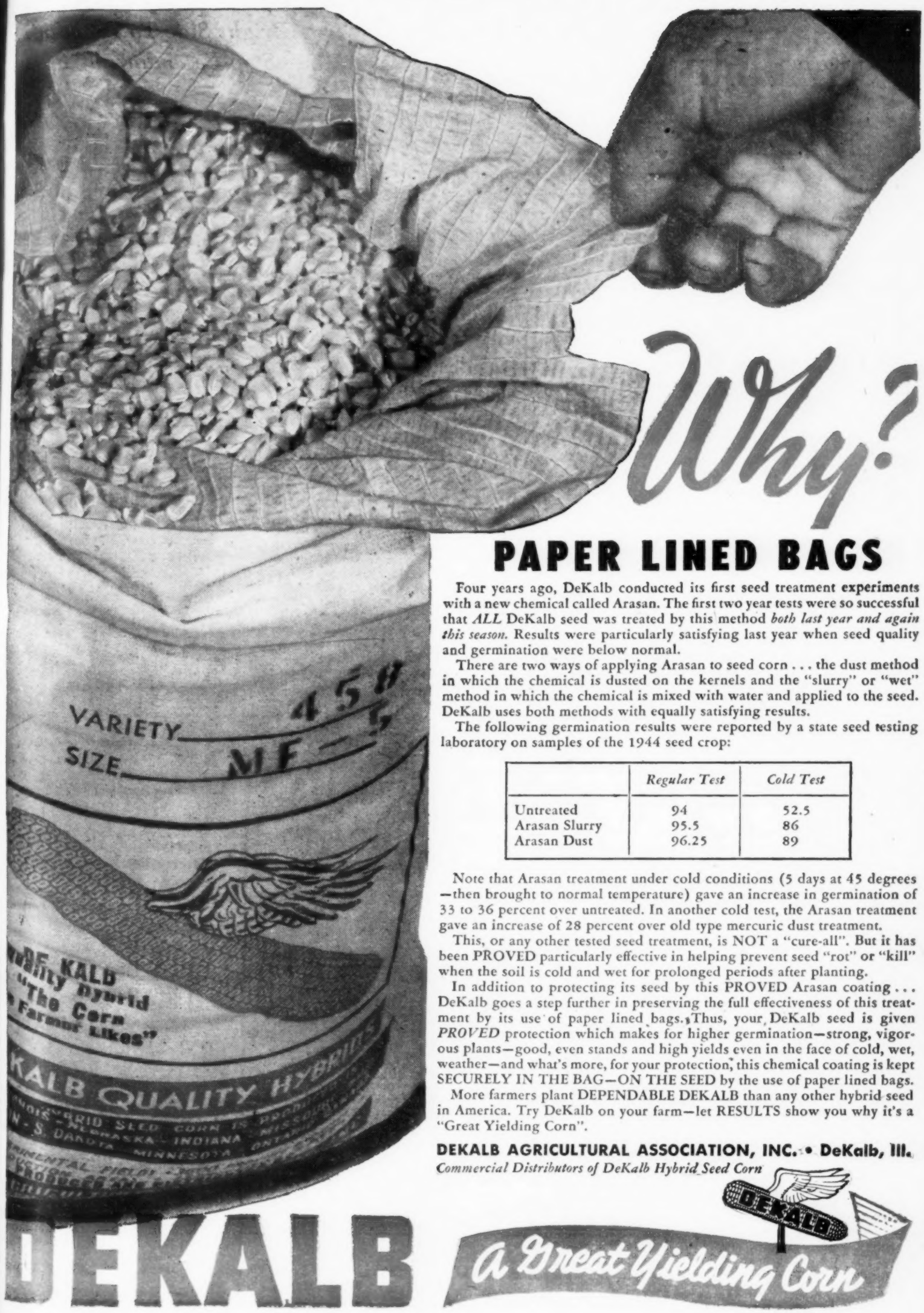
It might even be that the protein level for pigs just starting to eat should be a little higher than the 18 to 20 per cent level. These Minnesota experiments were on 50 to 73-pound pigs.

How can hog feed be made that contains 20 per cent protein?

An 18 per cent protein feed as made by E. F. Ferrin, of the Minnesota station consists of 70 per cent ground corn, 10 per cent alfalfa meal, and 20 per cent high protein feed. If the protein feed is only 40 per cent digestible protein, use only 60 pounds of corn and 30 of protein.

If the pigs were on pasture, the alfalfa meal could be reduced or left out. With high or low protein rations, the pigs should have an adequate supply of both minerals and vitamins.

It could be that pigs just can't grow fast enough to beat the market drop. But making a try with them can't cost you much. It might add a lot to the profit.



PAPER LINED BAGS

Four years ago, DeKalb conducted its first seed treatment experiments with a new chemical called Arasan. The first two year tests were so successful that *ALL* DeKalb seed was treated by this method *both last year and again this season.* Results were particularly satisfying last year when seed quality and germination were below normal.

There are two ways of applying Arasan to seed corn . . . the dust method in which the chemical is dusted on the kernels and the "slurry" or "wet" method in which the chemical is mixed with water and applied to the seed. DeKalb uses both methods with equally satisfying results.

The following germination results were reported by a state seed testing laboratory on samples of the 1944 seed crop:

	Regular Test	*Cold Test*
Untreated	94	52.5
Arasan Slurry	95.5	86
Arasan Dust	96.25	89

Note that Arasan treatment under cold conditions (5 days at 45 degrees —then brought to normal temperature) gave an increase in germination of 33 to 36 percent over untreated. In another cold test, the Arasan treatment gave an increase of 28 percent over old type mercuric dust treatment.

This, or any other tested seed treatment, is NOT a "cure-all". But it has been PROVED particularly effective in helping prevent seed "rot" or "kill" when the soil is cold and wet for prolonged periods after planting.

In addition to protecting its seed by this PROVED Arasan coating . . . DeKalb goes a step further in preserving the full effectiveness of this treatment by its use of paper lined bags. Thus, your DeKalb seed is given *PROVED* protection which makes for higher germination—strong, vigorous plants—good, even stands and high yields even in the face of cold, wet, weather—and what's more, for your protection, this chemical coating is kept SECURELY IN THE BAG—ON THE SEED by the use of paper lined bags.

More farmers plant DEPENDABLE DEKALB than any other hybrid seed in America. Try DeKalb on your farm—let RESULTS show you why it's a "Great Yielding Corn".

DEKALB AGRICULTURAL ASSOCIATION, INC. • DeKalb, Ill.

Commercial Distributors of DeKalb Hybrid Seed Corn

See Bigger Exports of Farm Products

Optimists Say There Is A Bright Side To Truman's "Stop-Communism" Plan

WASHINGTON, D. C. — President Truman's program for aiding Greece and Turkey has excited some members of the "farm front" in Washington. They think the new foreign policy will boost foreign demand for farm products.

Is the Greece-Turkey deal the first step in a broad program to help all countries resist Communism? If it is, some farm leaders say, farm exports may be a lot bigger than expected in the next two or three years.

Truman Will new policy keep farm exports high?

Food, of course, is one of the first things needed to prop up wavering governments. If the president's plan goes thru, we may spend a lot of money to buy farm products from ourselves.

So Washington guessers figure that 1948 may not be the year for downward adjustments in farm output after all. They predict present production levels will be needed at least thru next year.

That means congress probably won't do anything about a new farm program this year. As long as exports keep up, congressmen figure farm legislation can wait.

But Chairman Hope, of the house agriculture committee, is going ahead anyway with hearings on new farm plans. He wants to get down to work in earnest about the middle of this month.

A new farm program will have to be passed before the end of 1948. That is when the Steagall price-support program runs out. And the house committee wants to get most of the spade-work out of the way this spring and summer.

The committee expects to get a lot of testimony on three main plans. One group will ask for a return to AAA crop and marketing controls in 1949. Another wants full production with low market prices for food. Prices to farmers would be kept up with "compensatory payments."

A third group wants full production with something like the old food stamp plan to encourage consumption.

The present rosy picture of exports and home demand is slowing down other farm projects. Congress is balking at giving the Commodity Credit Corporation a permanent status, as requested by the president. Instead, CCC will get a one-year extension, and its future beyond 1948 will be considered next year.

The federal school lunch program has come to a halt in many states because of a lack of federal funds. The original $75,000,000 voted for this year was not sufficient. And congress has voted down an extra $15,000,000 to carry the program to the end of the school year.

Prospects for getting any school lunch money at all for next year are not bright. President Truman has asked for another $75,000,000. But tax-cutting congressmen are opposed to it.

With incomes high and unemployment low, they say, parents should be able to feed their own children.

The idea that consumers should be able to buy surplus foods at low prices has been given a shot in the arm.

Up until now, Agriculture Secretary Anderson has maintained that the Steagall program required him to support prices at 90 per cent of parity all down the line. This meant that food prices could not drop, no matter how much of a surplus there might be.

But the low-price idea will be tried on potatoes this year if there is another surplus. The government will buy surplus spuds from growers who stay within planting allotments. Growers will get the support price. But the potatoes may be resold to consumers for less.

One argument for this plan is that if consumers get the benefit of lower prices, they will eat more. But government officials also figure it will keep potato farmers within their allotments. Farmers who overplant may have to sell in competition with cut-rate surplus spuds.

The federal crop insurance program still is in trouble. The reason again is cotton.

Most cotton growers in high-risk areas insured their 1946 crops. In low-risk areas participation was small. So losses were a lot higher than premiums.

Secretary Anderson figures a deficiency appropriation of $20,000,000 will be needed to pay off all claims.

The upshot is that the whole insurance program may be killed. Economy-minded congressmen are opposing appropriation of funds for next year.

Efforts to save the program for wheat, corn and tobacco only may not succeed. Cotton-state and budget-cutting congressmen probably will join to prevent this.

Secretary Anderson has asked congress for money to fight foot-and-mouth disease in Mexico. He wants to spend $9,000,000 between now and June 30. Mexico has agreed to provide $9,350,000 for the same period. More money will be needed after June 30.

Hope Congress is not excited about new farm program.

Most of the American funds would be used to pay owners of slaughtered cattle. USDA officials say that, even with good luck, it will take at least two years to wipe out the disease in Mexico. Total cost to us may be as high as $50,000,000.

With good weather, this looks like another bumper crop year. The USDA's spring report on planting intentions shows farmers plan to plant more acres of most crops than in the last two years.

The indicated corn acreage is about 3 per cent below last year, both in the country as a whole and in Iowa.

The survey shows U. S. soybean acreage may be up 6 per cent. Iowa farmers say they will plant 12 per cent more beans.

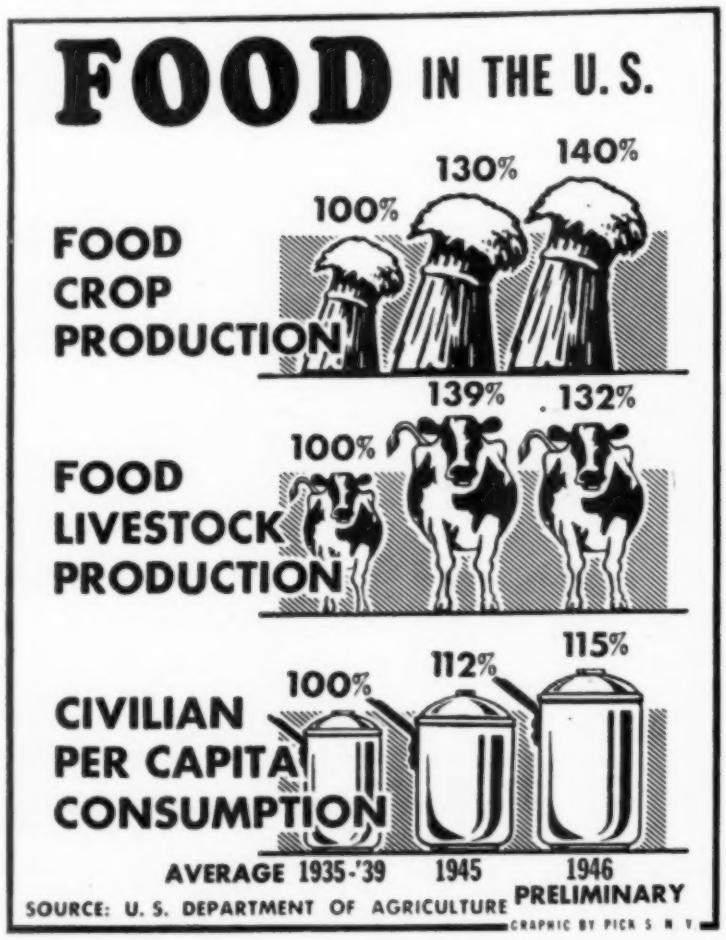
Prospective oat seeding in Iowa will be up 1 per cent over last year. The Iowa flaxseed acreage is expected to go up 143 per cent.

Another serious potato surplus may be avoided if farmers plant in line with the department's report. It shows that acreage may be the smallest since 1884. Iowa's indicated acreage is 8 per cent below 1946 and only about half the 1936-46 average.

The USDA report said that farmers seem to have fewer problems and are in a better position to carry out plans than in any of the last five seasons.

It said the farm labor situation is generally improved. Most major crop areas will have enough help. And new farm machinery for the spring work has been appearing in greater volume. Some areas, however, are said to be short on repair parts.

The department said a large-scale return to desirable soil conservation, pasturing and fallowing practices apparently is being put off for another year. Most farmers want to take advantage of current high prices.



This Chart shows how home food consumption has failed to keep up with the big increase in production since 1939. Exports have been absorbing the difference. Will they keep up?

CHICKS EAT EAGERLY FROM THE START! The interesting, different shapes of Crumblized* attract chicks' attention—stimulate curiosity—start them eating! You'll hear them "Cheep! Cheep!" with eager excitement! You'll thrill in giving your chicks such a fine, fast, thrifty, lively start to sturdy growth!

Greater Gain At Less Feed Cost!

Scientifically Controlled Tests Are Showing Chicks Fed Crumblized* Weigh More at Less Cost Per Pound of Gain

Crumblized* is the biggest news in chick feeding for years! It's the new, better-than-ever feed! And now it has been tested for a year! Poultry raisers who used it last year are excited about it. Our scientifically controlled tests show it is better than mash! — better than pellets!

Give your chicks all these advantages . . .

Fast Eating Start! Chicks start eating the instant they see this new, more interesting feed! They don't have to be urged or "taught" to eat—they **want** Crumblized* right from the start!

High Livability! Chicks get Stepped-Up levels of high-livability vitamins A, D and Riboflavin when they eat Cargill-Nutrena Crumblized*! You have seen the high livability records of Nutrena-fed flocks! It's one reason poultry raisers voted Nutrena "Best" of all chick feeds in the midwest!

Fast Growth! You want broilers to grow fast to eating size . . . and you want pullets to develop fast for early laying! That's why Cargill-Nutrena Crumblized* is Stepped-Up in fast growth proteins! No wonder so many poultry-raisers report flocks that average better than 2 lbs. per bird at 8 weeks!

Less Waste! Even lively, thrifty, eager-eating chicks waste less Crumblized* than mash! The firm parts don't bill out of feeders easily! No mash on heads and backs to encourage picking—or to sour the waterers! No separation of particles as in mash . . . every piece exactly like the rest!

Although we have increased our Crumblized* capacity many times—the demand for this new and improved Cargill-Nutrena is great! So BE SURE to get yours! See your Cargill-Nutrena dealer today, sure! Arrange for your entire supply of Cargill-Nutrena Crumblized*! Why should **your** chicks get less?

*Reg. U.S. Pat. Office

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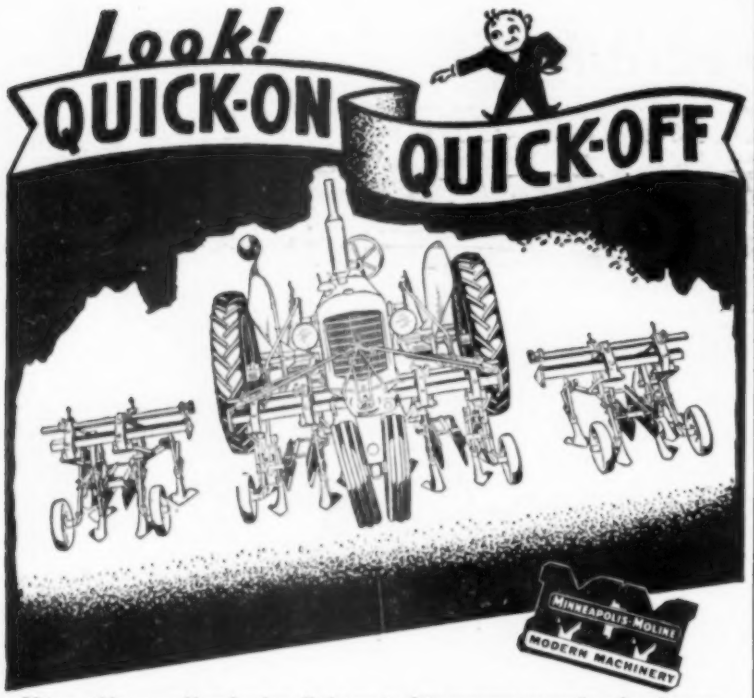
GUARANTEE: We are so confident you, too, will see the difference when you feed Cargill-Nutrena-Crumblized* that we make this guarantee:

Offer Cargill-Nutrena-Crumblized* in a separate feeder alongside any other feed. Allow the chicks to take their choice. If they don't eat Crumblized* more eagerly than the other feed, return it and get your money back.



If you pride yourself on having all the up to date answers on modern farming you should be familiar with the many advantages of MM *Quick-On—Quick-Off* cultivator and planting attachments.

Built to fit MM Universal tractors, MM cultivators are made in two, four and six* row sizes. *To convert from two to four row the outside frames and gangs are simply bolted on.* Adjustment up to 44 inches for wide row spacing is made by merely loosening the clamp and sliding the gangs along the square frame bars. The *Quick-On—Quick-Off cultivators* have high clearance and are available with hand or power lift and a choice of sweeps, shovels or spring tooth attachments, for both front and rear gangs.

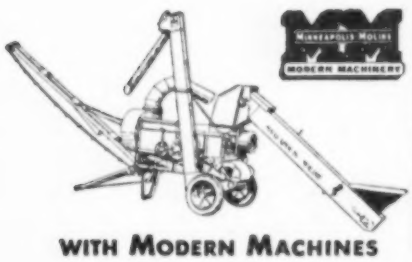
With the cultivator mounted near the front wheels, and Visionlined Design of MM tractors the operator has full operating visibility and is seated comfortably low to the rear of drive wheels for *added* SAFETY.

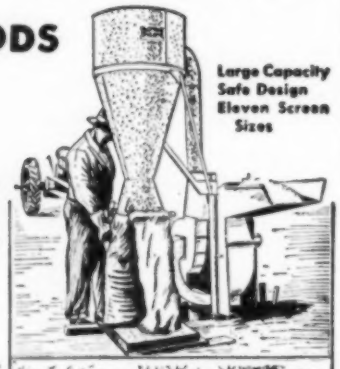
For precision planting the cultivator may be changed over to a drill planter by the removal of the cultivator shanks and mounting the planting attachment on the cultivator frame.

When the job is finished, the tractor can at once be used for other jobs, since *Quick-On—Quick-Off tools* are easily removed. MM offers a complete line of these tools for more profitable farming in any territory. Many parts of MM *Quick-On—Quick-Off* Units are interchangeable, saving you money because you buy less equipment to handle all the jobs.

MODERN METHODS

WILL *Produce More*





Large Capacity
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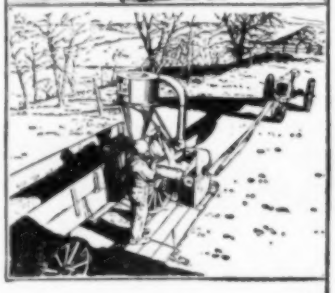
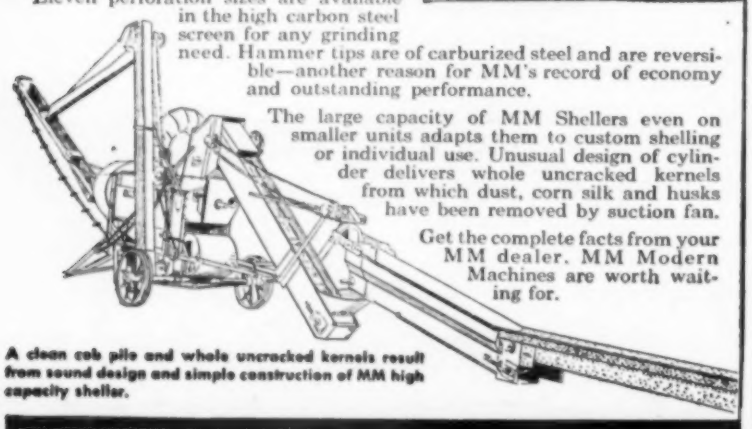
Eleven Screen
Sizes



WITH MODERN MACHINES

Progressive farmers are famine fighters with Modern MM Machines their weapons for increased production. Modern methods of livestock feeding for greater profits and increased production utilize MM Hammermills and Shellers. Large capacity MM Hammermill has belt pulley, rotor, and fan as an integral unit revolving on self-aligning anti-friction bearings.

Eleven perforation sizes are available in the high carbon steel screen for any grinding need. Hammer tips are of carburized steel and are reversible—another reason for MM's record of economy and outstanding performance.



The large capacity of MM Shellers even on smaller units adapts them to custom shelling or individual use. Unusual design of cylinder delivers whole uncracked kernels from which dust, corn silk and husks have been removed by suction fan.

Get the complete facts from your MM dealer. MM Modern Machines are worth waiting for.

A clean cob pile and whole uncracked kernels result from sound design and simple construction of MM high capacity sheller.

MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY
MINNEAPOLIS 2, MINNESOTA, U. S. A.

Workday Pointers

Helpful Suggestions For Farmers

APRIL is the month to be sure that the corn in the crib is dry enough to keep in hot weather.

▲ ▲ ▲

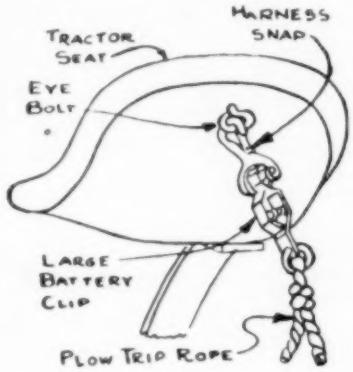
EARLY CASTRATION of pigs lowers the death rate, reduces chances of tumors, and saves losses in weight.

▲ ▲ ▲

SMALL POTATOES, if planted whole, make the best yields, according to Purdue University experiments.

▲ ▲ ▲

PLOW TRIP ROPES will be sure to let loose when the plow hits a hard object and trips, if fastened to the plow seat as shown in the illustration. The rope will be easy to reach, too. A harness cockeye



or eye-bolt is attached to the back of the tractor seat. A harness snap and a large battery clip are used between the rope and the seat. You can unsnap the rope when unhitching from the plow. The battery clip is the automatic unfastener.

▲ ▲ ▲

SOWS MAY FARROW 111 days after breeding, or they occasionally go 118 days. But the usual time is 112 to 114 days.

▲ ▲ ▲

ONLY THREE oat varieties will be certified in Iowa for 1947—Clinton, Benton and Marion. The Iowa agricultural experiment station believes there will be enough of these three varieties to plant the entire acreage that will be put in in 1948.

▲ ▲ ▲

EVERY PIG SAVED until a sow has all she can raise prevents the waste of about 140 pounds of feed. This year it also means a chance of making a nice profit on the feed.

▲ ▲ ▲

PUMPKINS will mix with watermelons and muskmelons, according to a popular belief. It isn't so, says the North Dakota Agricultural College. You can safely plant these crops side by side.

▲ ▲ ▲

SCRATCHING on feed bunks or fences is a sure sign of lice on cattle. Rotenone, or the new drug, DDT, will get rid of lice in one application, says Harold Gunderson, Iowa State College entomologist. Put one pound of 50 per cent DDT wettable powder in 12 gallons of water for a spray. For dusting, a 10 per cent DDT dust, applied with a garden dust gun, is suggested.

TWO SIGNS that farrowing time is near are (1) milk in the teats, (2) when the sow begins carrying bedding around in her mouth for making a nest.

▲ ▲ ▲

OAT DISEASE, helminthosporium, is being called Victoria blight in some states. If it is bad in your oat fields, the stand of oats may be affected early.

▲ ▲ ▲

BUCK BRUSH showed about 50 per cent kill following one application of 2, 4-D. Repeated sprayings in warm weather are expected to kill out this pasture nuisance.

▲ ▲ ▲

PASTURE YIELD for the season is cut by turning livestock on the pasture too soon. Wait until the grass provides a good bite—which usually is some time during May.

▲ ▲ ▲

FOUR REASONS are given as the cause of cannibalism in the brooder house: (1) Overcrowding, (2) too much heat, (3) poor ration—lacking in variety and balance, and (4) some say there can be too much light.

▲ ▲ ▲

GOOD LAND holds more water than poor land, but the surface of the soil on good land dries more quickly, making the land workable sooner. The first step toward making good land is to add organic matter. Plow under everything you can.

▲ ▲ ▲

THUMB AND FINGER should be held near the top of a nail to be started with the hammer. Then, if the hammer misses the nail, the fingers may be knocked out of the way and not get smashed.

(Right)

(Wrong)

But if the thumb and finger are down at the point of the nail and against the board, the hammer will get them. Cold chisels and punches should also be held at the top rather than at the bottom. A relaxed grip is safer than too tight a grip on the nail or chisel.

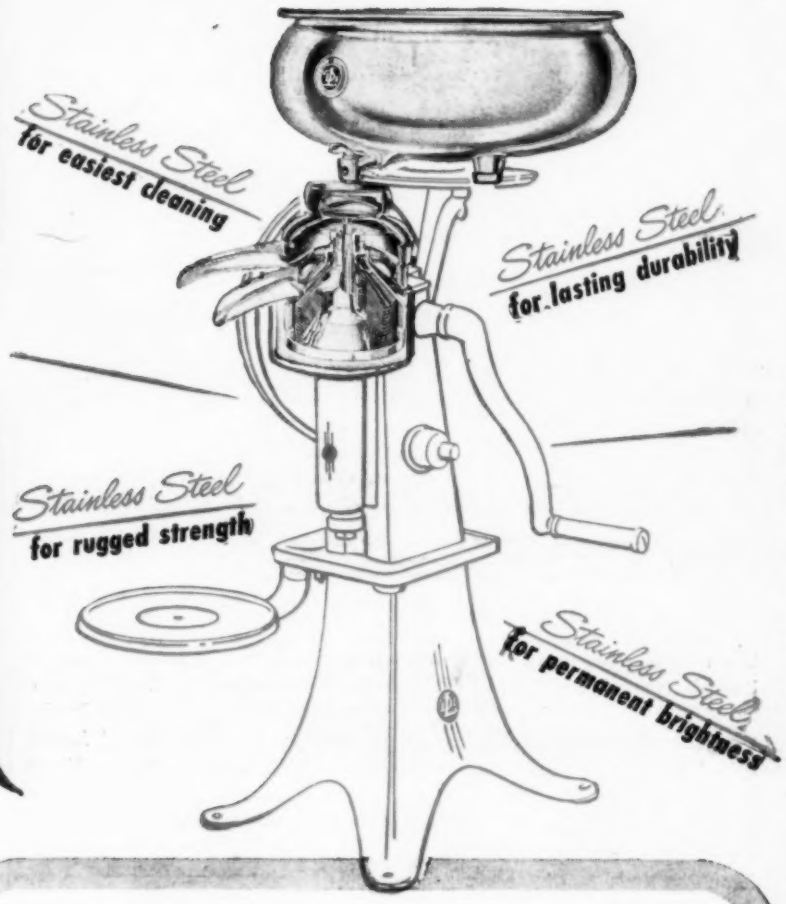
▲ ▲ ▲

PLENTY OF ROOM should be provided in the special feeders for the young pigs. You expect the pigs to grow. And the creep-feeders, or special feeding floors for pigs, should be at a convenient place for the pigs—near the drinking fountain or the sleeping quarters.

HERE THEY ARE!

The Great *NEW* Postwar De Laval World's Standard Series Separators

Every Part Milk or Cream Touches is STAINLESS STEEL!



The minute you first set eyes on these great New De Laval Separators you'll know they're the best you've ever seen.

De Laval engineering has gone all out to give you cleanest skimming . . . easiest 2-minute washing . . . longest service . . . easiest operation . . . and all at lowest cost per year of use!

The new Super-Skimming Bowl . . . supply can . . . covers with new open discharge type spouts—all are of gleaming, forever bright and rust-proof stainless steel.

These and other new features and improvements make these New De Laval World's Standard Series Separators the best you have ever seen or operated.

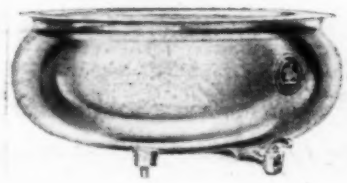
See them as soon as possible—and get the complete story on these new postwar De Laval Separators from your local De Laval Dealer.

Made in three sizes—hand or motor drive:

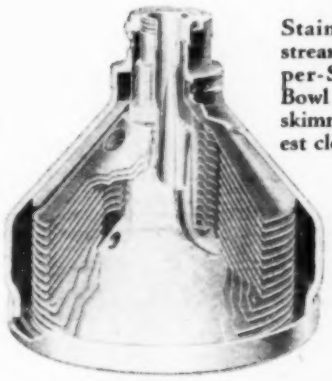
No. 514—550 lbs. per hour

No. 518—800 lbs. per hour

No. 519—1150 lbs. per hour



Stainless steel, seamless, anti-splash supply can with visible flow "quick-clean" faucet.



Stainless steel, streamlined Super-Skimming Bowl—cleanest skimming, easiest cleaning.

Stainless steel covers with open type spouts—see how easy they are to wash!

THE DE LAVAL SEPARATOR COMPANY

NEW YORK
165 Broadway, New York 6

CHICAGO
427 Randolph Street, Chicago 6

SAN FRANCISCO
61 Beale Street, San Francisco 19

LABOR SAVING BROUGHT TO THE FARM IN PRECISION ENGINEERED EQUIPMENT

IT TOOK A SMART FARMER AND A CLEVER ENGINEER TO BUILD THE PRINCIPLE of

Dynamic Balance

into A HYDRAULIC FARM LOADER

The men who designed Super Six knew farm needs and the many jobs to be done. They precision engineered this modern loader to take the "backaches" out of farm chores. Its powerful lift arms provide hydraulic "muscles" that never tire. Because the Super Six is dynamically balanced throughout, minimum hydraulic pressures provide ample power.

No strain is centered on tractor or axles—stress is carried by and equalized over entire tractor frame.

Rugged laborsaving attachments mechanically perform year 'round "backbreaker" tasks. Loads, lifts, levels, excavates, moves, pulls and *lowers* the cost of farm production. Many other important reasons make Super Six your wisest buy.

FITS MOST ROW CROP TRACTORS

Gets under the load and Lifts!

The Super Six

DYNAMICALLY BALANCED HYDRAULIC FARM LOADER

IT LEVELS • IT LOADS • IT MOVES • IT RAKES
IT LIFTS • IT EXCAVATES • IT DOZES • IT PULLS

Write your name on margin below and mail—

This booklet explains the HOW and WHY

Send for your copy today...

SUPER SIX MFG., INC.
806 Plymouth Bldg.
Minneapolis 2, Minnesota

Write your name, address and make of tractor on margin below. Mail today.

School Aid Squeeze In Legislature

Road Bill to Distribute Money on Need Basis Argued Between North and South

THE probability as the Iowa legislature goes into its final month is that the total state school aid appropriations won't reach a half of the $15,000,000 asked in the beginning.

This kind of a squeeze would hold school aid appropriations to not more than $7,000,000 or $8,000,000. The total school money would consist of the $3,530,000 a year appropriated in 1945 plus mainly an addition of about $3,417,600 a year for supplemental aid.

The $3,417,600 additional is needed to pay in full the supplemental aid for which $1,000,000 a year was appropriated two years ago.

After conferences in Governor Blue's office, the administration policy appeared to be to hold total increase in appropriations down to $6,000,000 or $7,000,000 a year for everything. This would not permit paying all the school aid asked.

Following the conferences, Allan Kline, president of the Iowa Farm Bureau Federation, sent a letter to the appropriations committee chairmen and issued a statement on the need for more school aid. Kline said:

"Iowa farmers are vitally interested in stopping sharp increases in local property taxes . . . farmers own three times as much property per rural child as do urban property owners per urban child."

Kline said that was one reason "Iowa farmers support so unanimously state aid which will ease the tax load for school purposes." Another is to make effective the 15-mill ceiling on taxes for school purposes. As to how far we should go, the Farm Bureau president continued:

"What we need to do is to broaden the tax base for school support to provide that at least 25 per cent of the annual school operating costs are paid from state aid and collected from sources other than property taxes."

Kline urged total school aid of $17,417,600, distributed as follows: Supplemental aid, $4,417,600; general aid, $8,000,000; agricultural land credits, $3,000,000; transportation, $2,000,000. There are standing appropriations of $395,000 per year in addition.

The fight to see how much more can be secured will come on the bill to appropriate $8,000,000 a year more for general aid to all schools.

This bill, which would give each school 11 cents a day for each elementary pupil and 14 cents a day for each high school pupil, has been approved both by the house schools and appropriations committees.

The governor and the school forces are together on school reorganization. Both houses passed the county board of education bill. This bill creates a new county board of education of five members, four to be elected from the four sections of a county and the fifth at large, in the 1948 school elections.

There's another bill to force reorganization of smaller districts into larger ones, by vote of the people in the districts.

It hasn't been acted upon. But it provides that reorganization programs shall be submitted to the voters three times. If they are rejected then, state aid would be withheld.

The road bill which is the subject of controversy is the one to do away with allotment of farm-to-market road funds on a county area basis. It would substitute use of the farm-to-market funds on a need basis.

Southern Iowa counties, where road building costs are high, favor doing away with the county area allotment. Northern Iowa counties, where costs are lower, oppose doing away with it.

Fred R. White, chief engineer for the Iowa Highway Commission, said at a public hearing on this bill:

"Different conditions are the reason for unequal improvement of farm-to-market roads in the state. It isn't just somebody's fault. It is just a condition that is there.

"It will have to be met in some way, somewhere, somehow. It is not being met on the present basis of area allocation."

J. S. Van Wert, of the Iowa Farm Bureau legislative committee, suggested distributing the road money on a "cost of construction" basis rather than a "need" basis.

This proposal would affect only that proportion of the primary road fund which is over $17,000,000. This surplus is used to match federal funds for secondary road improvement.

The distribution on a "cost of construction" basis rather than a "need" basis looks like a kind of compromise.

The senate passed a bill retaining the present three-member, full-time Board of Control and requiring it to appoint four divisional directors.

The bill (sent to the house—which indicated in advance it favors it) calls for a psychiatrist director of mental institutions, a director of corrective institutions, a director of industries and a director of child welfare.

The tax revision program is nearing completion. The house amended the county assessor bill, which came from the senate, to make the county auditor also the county assessor, but to retain the county board of review part of the bill.

The house also passed the house bill to give the State Tax Commission authority to order reassessment of property if the county assessor system didn't get it equalized in the beginning.

Gangsters in the Grass

Weeds and brush are gangsters in the grass. They literally steal your cattle and sheep by reducing the carrying capacity of grazing land or pastures. They rob your soil of moisture and minerals. They choke the life out of your grass.

Mesquite and sagebrush in Western range country are often thieving plants. They're tough and aggressive. The carrying capacity of a hundred million acres of good grazing land has been greatly reduced by these two alone. Weeds and brush can be burned or poisoned, grubbed out with bulldozers or yanked out with tractors and cables. Grass thrives again when the brush is gone. Then, cattle or sheep production can be increased, sometimes as much as 300%.

From farming states come reports of *doubled* beef production per acre of pasture simply by mowing weeds. In dairying sections startling improvements in production, flavor, and milk and cream profits have resulted from cutting pasture weeds two or three times a season. Promising experimental work is proceeding with 2, 4-D and other new chemical weed killers. Spraying pastures is proving effective in destroying these livestock rustlers.

Once weeds are under control, pastures benefit by liming, fertilizing, reseeding with recommended pasture mixtures, by harrowing or discing to break up manure. Few crops give as great return for a little attention as does grass. A good starting point in an improved grass program is to take steps to control weeds and brush.

We—both you and Swift—are interested in making the best use of what we have. It has been said that "a penny saved is a penny earned." There are many *dollars* to be saved by making the most efficient use of grass lands. We suggest that you contact your state agricultural college, county agent, or vocational agricultural teacher for further information.

Soda Bill Sez: ...*the time to hold on hardest is when you've just about decided to let go.*

Martha Logan's Recipe for
FRANKFURTS AND HOT POTATO SALAD

(Yield: 6 servings)

6 frankfurts	¼ cup diced green pepper
4 large potatoes	3 tablespoons water
3 tablespoons bacon drippings	2 teaspoons sugar
¼ cup diced onion	1 teaspoon salt
¼ cup vinegar	¼ teaspoon black pepper

Cook potatoes. Peel and cut in ½-inch cubes. Place frankfurts in saucepan of boiling water. Remove from heat and let stand from 5 to 8 minutes. Heat drippings. Add onion and green pepper, and brown. Add vinegar, water, sugar, salt, and pepper. Cook over low heat until flavors are thoroughly blended. Pour hot sauce over cubed potatoes and mix lightly. Top with frankfurts and serve hot.

Judging Producing Ability of Heifer Calves

W. W. Swett

by W. W. Swett
Bureau of Dairy Industry
U. S. Department of Agriculture

The results of preliminary analyses of data obtained by scientists in the Bureau of Dairy Industry, United States Department of Agriculture, offer much promise that dairymen will soon have a new, practical, money-saving system for judging the future producing ability of heifer calves.

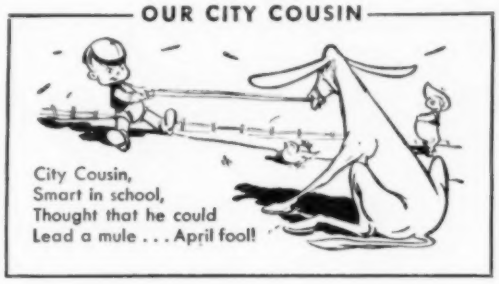
We have found that by examining the udder of a dairy heifer when she is 4 months old we can get a good idea whether or not she will be a good milk producer. We think that with a little practice any farmer can learn to judge heifer calves the same way.

Working with our experimental dairy herd at Beltsville, Maryland, we first determined, by feel, the average udder development of calves. Then we graded all the heifers as High, Medium, or Low. Later we checked the grades of these calves against their milk production records as cows. We found a fairly close match between the grades of the calves and the milk production of the cows.

Since these results are based entirely on the study of animals in one herd, the plan must be rigidly tested for reliability in other herds where the inheritance for milk production may be at different levels and more variable, before it can be recommended for practical use.

The pay-off, of course, comes in culling out low producers at an early age. It costs about $125 to raise a heifer to milking age. Nearly one-third of the heifer calves now raised turn out to be unprofitable cows. If the method stands up under field tests it appears that this proportion and the resulting monetary loss can be materially reduced.

OUR CITY COUSIN



Price balances supply and demand

There is always a demand for meat. Yes, *at some price*. But that price is *not* determined by the meat's cost, or set by the meat packer. It is set by what the consumers are willing and able to pay for the meat and by-products. That is something which must be known and remembered if one is to understand the meat business.

A good many people think that the meat packers sell meat for the cost of the livestock, plus expense, plus a profit. But that is not how meat prices are made. We *must sell* our meat—because it is perishable. We hope, of course, to sell it at a price which gives us a profit. But profit or loss, we *must* sell it. As our president, John Holmes, said recently, "We seek the price that balances supply and demand. Sometimes this is a profitable price; sometimes there is a loss. The records show that, on the average, we make a modest profit year by year."

As for prices paid for livestock, they, too, are set by the forces of supply and demand. No meat packer could control them because there is so much competition both in buying and selling. There are over 4,000 meat packers and 20,000 commercial slaughterers competing daily for live animals.

F. M. Simpson
Agricultural Research Department

PRODUCERS BENEFIT FROM QUALITY CONTROL

H. S. Mitchell

Quality Control protects the buyer of Swift products. It also serves the farmer. For it insists that his products be processed into the best possible *consumer* products.

"When Mr. or Mrs. America buys a Swift product, they expect top quality," says H. S. Mitchell, director of our Research Laboratories. "They also depend on it to be just as good as the last time they bought it. That's why they keep coming back for Swift products. They have every right to expect uniform high quality. And it's the job of the quality control system to make sure that they *get* it."

Quality Control begins with the livestock and other "raw materials" selected by Swift buyers. Next, it lays down exact written specifications for the control of each step in the processing of many products. Finally, it sets up strict quality standards for the finished products.

Our Research Laboratories are in twenty-one cities. More than 1,000,000 exacting tests are made each year in our Quality Control program. Each test takes time and work. But constant testing is the only way we can be certain that the quality of Swift products is uniformly high. This constant Quality Control not only builds confidence in Swift products, but it also helps create a steady, dependable market for the livestock and other raw materials we purchase from producers. A *permanently successful business must be grounded on the solid foundation of uniform quality.*

Things are NOT always as they seem

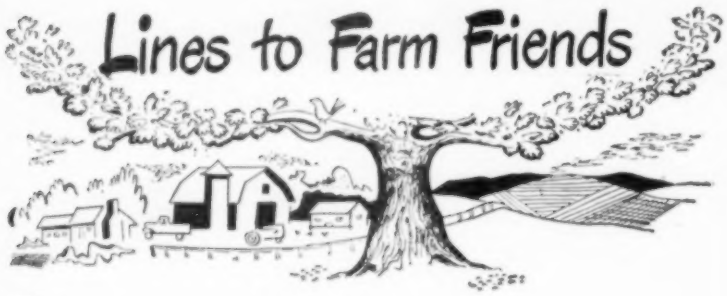
Which weighs more? The cubic foot block of iron, or those four big rolls of 26" fence wire? The wire looks much heavier, but it isn't. They weigh the same—491 pounds each.

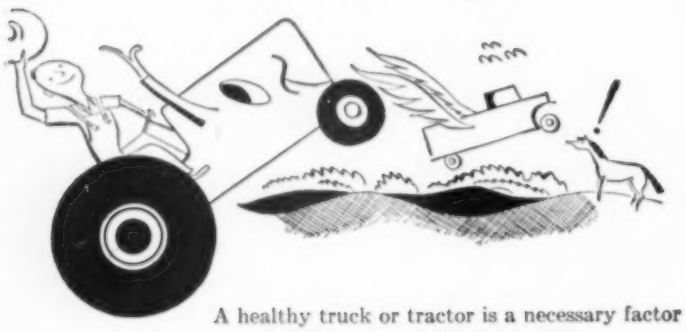
No, things are *not* always as they seem. Take that fence wire, for example. The fence maker paid perhaps 2¢ a pound for the iron. You buy it as fencing at around 7¢ a pound. That leaves a "spread" of 5¢ a pound between the raw material and the finished product. This "spread" covers heat treating, drawing the wire, weaving it, rolling, and other processes we may not know about. It includes also manufacturer's profit, transportation, jobbers' and retailers' costs and profits, and delivery to you.

There is also a "spread" between what you producers get for livestock and what you pay the meat dealer for meat. For one thing, an average 1000-pound steer produces only 543 pounds of meat and 161 pounds of by-products, both edible and inedible. In processing there is unrecoverable shrink and waste of 296 pounds. We also have the costs of "disassembling" live animals into meat, refrigerating, transporting to market, and delivery to retail stores. The "spread" covers also retailers' costs and profits—plus a profit for the meat packer which averages only a small fraction of a cent per pound of product handled.

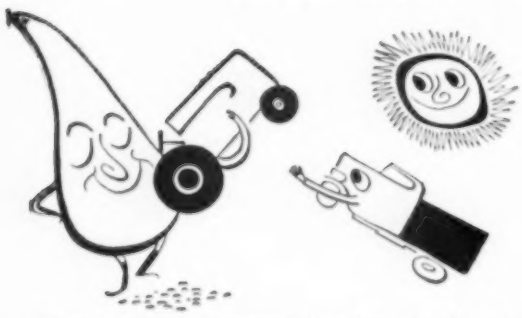
SWIFT & COMPANY
UNION STOCK YARDS
CHICAGO 9, ILLINOIS

NUTRITION IS OUR BUSINESS—AND YOURS
Right eating adds life to your years—and years to your life

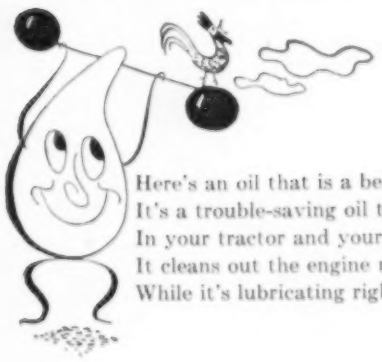




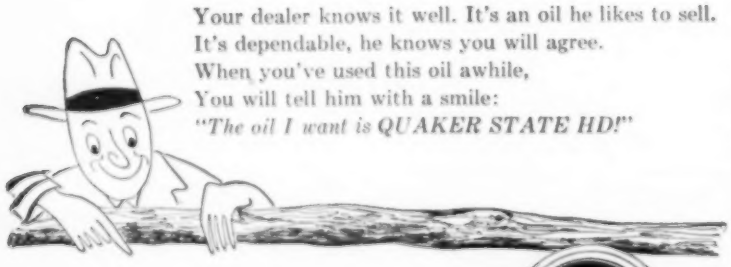
A healthy truck or tractor is a necessary factor
In the making of a profit on the farm;
So, when the truck seems failing,
And the tractor, too, is ailing,
That is something farmers view with real alarm.



There is one thing to remember from October to September,
If your truck and tractor you don't want to spoil;
And that is simply this:
You must never, never miss
Making sure that your equipment gets good oil.



Here's an oil that is a beauty, and it's made for heavy duty;
It's a trouble-saving oil that's meant for you!
In your tractor and your truck
It cleans out the engine muck,
While it's lubricating right—and longer, too.



Your dealer knows it well. It's an oil he likes to sell.
It's dependable, he knows you will agree.
When you've used this oil awhile,
You will tell him with a smile:
"The oil I want is QUAKER STATE HD!"

QUAKER STATE
HD OILS
FOR YOUR TRUCKS AND TRACTORS
•
MOTOR OIL
FOR YOUR AUTOMOBILE

MEMBER PENNSYLVANIA GRADE CRUDE OIL ASSOCIATION

Three Ways to Stop Bad Farming

Some Favor Education; Some Want Payments; A Few Say to Pass a Law to Stop Land Abuse

★ A WALLACE-HOMESTEAD POLL ★

IF DITCHES are cutting a hill farm to pieces, is it anybody's business but the owner's? If poor management causes water to run off, carrying soil onto other farms or into the streams, is it any of the neighbors' business?

If level land is grain farmed until the soil runs together; if water stands in puddles, or weeds take over, do the neighbors have a right to complain?

Whose land is it? Does a deed or a lease give a man a right to destroy, as well as to use, natural resources that the ages have produced? Where do the individual's rights end and the rights of the community and future generations begin?

Farmers have answered that question in a Wallace-Homestead Poll. As usual, they don't see it alike. The questions asked and the answers are in the box on this page.

One out of four Iowa farmers says that other people have no rights in the matter. Here is the opinion given by a Shelby county, farmer:

"It's the owner's business if he wants to farm that way. We have too many government men now telling us what to do."

A Lee county farmer used almost the same words:

"I think it would be the owner's own business, and not the government's, as to what he wants to do with his land, whether it improves it or not."

"Let's do something about mismanagement of land," said about two-thirds of the farmers interviewed. This Tama county farmer uses an old country as an example:

"Land is a part of our natural resources, so why let it get as bad as in some places in China."

A Johnson county farmer says:

"Something should certainly be done about mismanaged farm land, or it will make this great country of ours poor some day, and will be hard on future generations. Especially in case of another war, we should be able to produce food as we have the last two times."

The 65 per cent of the number of farmers who think something should be done about mismanaged land divide three ways on methods to use. Education and advice are favored by 29 per cent of them.

"Think of the gains our farms have made in the last 10 years," a Buchanan county farmer said. "Better keep up the educational programs."

But some farmers think it will take more than education. A Clayton county farmer says:

"Education is not enough. If you give the farmer a little help, he'll put more with it, and in the end he will see the results and conserve the land of his own accord."

This man refers to government money to help get good farm practices. Of the whole number interviewed, 24 per cent would favor using government money to stop ruining farms by mismanagement.

Twelve per cent of the farmers said it should be illegal to misuse land. A Tama county farmer says:

"Owners of land should not be allowed to mine it by cropping it year after year and not restoring a bit of fertility. We as a people would soon be like some foreign countries, deteriorating with the land. The government should stop it before it is forever too late."

But one Bremer county farmer reasons it out like this:

"It seems the land owner ought to be able to do as he likes with his land. But if the soil is not taken care of, it will be of little value to future generations. It takes years to rebuild an abused soil. So I say make it illegal."

Some farmers see that the state has already assumed that neighbors have some right in the management of farms. One Ida county man refers to the weed law:

"The mismanagement question is in the same category as mowing weeds. The weed law isn't enforced enough. Up the road is a farm with sunflowers. Next one has cockleburs. Here I sit, lower down, getting the effects."

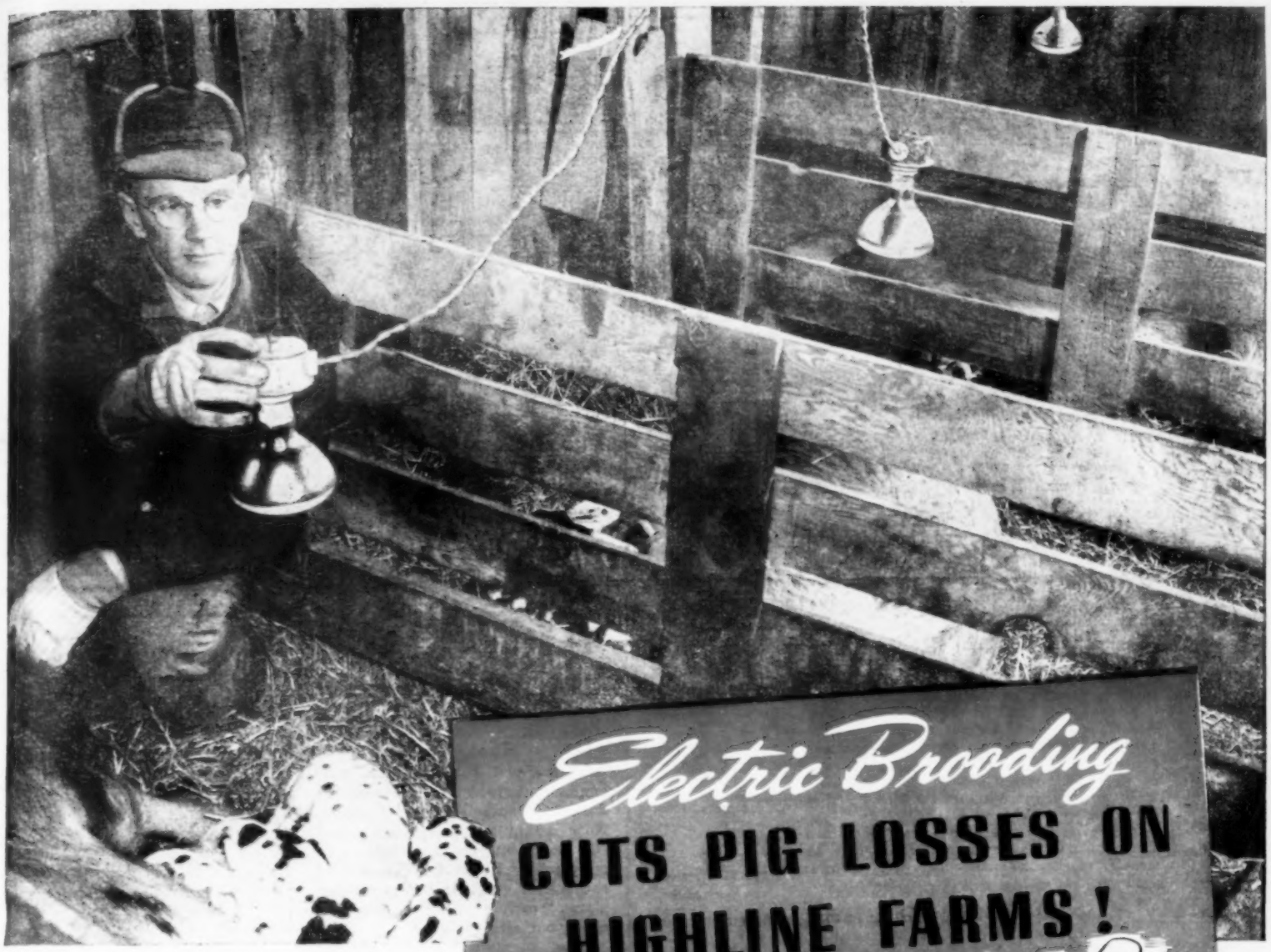
Some groups divided differently from the average. Those who did not go beyond the eighth grade in school were 33 per cent for doing nothing about mismanagement, 56 per cent for one of the methods. Those who went farther in school were 20 per cent for doing nothing, 70 per cent for some action.

Tenants favored doing something about bad farming by three percentage points more than owners.

IS THIS ANY OF YOUR NEIGHBOR'S BUSINESS?

If a farm is being mismanaged and soil fertility is being lost, what do you think should be done about it?

1. Nothing; it's the owner's own business?	25 pct.
2. Rely on education and advice to stop it	29 pct.
3. Use government money and help to stop it	24 pct.
4. Make it illegal to use the land that way	12 pct.
5. Undecided	10 pct.



Electric Brooding CUTS PIG LOSSES ON HIGHLINE FARMS!

Again Reddy Kilowatt, your dependable electric servant, hops out in front to take over another of the Iowa farmer's "chores." Heat from an R-40 Infrared Heat Lamp reduces chilling, keeps the pigs from crowding, and reduces losses through crushing by the sow. Reddy will take over the job with a simple brooder that you can build easily yourself in the corner of any farrowing pen. Successful Iowa hog raisers have already proved that electric brooders, built around an R-40 Heat Lamp, reduce baby pig losses as much as 50%.

The Extension Service of Iowa State College at Ames offers two bulletins on electric pig brooders . . . plan No. 77717 shows a conventional type brooder using an incandescent lamp, while AE-512 shows how to use the new R-40 Infrared Heat Lamp. Copies of either will be sent free on request.

CAUTION: Some safety precautions must be observed in using the R-40 Infrared Heat Lamp. Because of its higher heat intensity it must be at least 24 inches from the floor and should be protected so that the sow cannot reach the cord. Consult your Utility Company on the proper use of these Lamps.

A TIMELY MESSAGE FROM

THE ELECTRIC COMPANIES OF IOWA

PIONEERS IN RURAL ELECTRIFICATION

CENTRAL STATES ELECTRIC CO.
PEOPLES GAS & ELECTRIC CO.
INTERSTATE POWER COMPANY
IOWA ELECTRIC COMPANY
IOWA ELECTRIC LIGHT & POWER COMPANY
IOWA-ILLINOIS GAS AND ELECTRIC COMPANY
IOWA POWER & LIGHT COMPANY
IOWA PUBLIC SERVICE COMPANY
IOWA SOUTHERN UTILITIES CO.
NORTHWESTERN LIGHT & POWER COMPANY

Reddy Kilowatt
The friendly symbol of the electric light and power industry.

Agriculture's Marketing Laboratory

"There are many marketing problems which cannot be solved in a laboratory or facility of the federal government; in many instances, the only laboratory available is the distribution system itself."

With these words the House Committee on Agriculture reported on H.R. 6932, the bill enacted at the last session of Congress. It calls for more than $60,000,000 for joint study by the federal and state Departments of Agriculture of ways to "improve and facilitate the marketing and distribution of agricultural products."

For years the facilities of A&P and Atlantic Commission Company have served as such a laboratory. The very first A&P stores pioneered the present-day American system of mass distribution. Since then, in thousands of other A&P stores, new methods and more efficient means of moving food from farm to dinner table have been developed and proved.

Yes, it has always been the aim of A&P and Atlantic Commission Company, to provide farmers with broader, steadier markets and consumers with more and better food by:

1. Bringing agricultural products to the consumer with a maximum of original quality and farm freshness.
2. Reducing damage and waste to a minimum.
3. Reducing distribution costs and eliminating unnecessary handling operation.
4. Returning to the producer a larger share of the consumer's dollar.

For years we have welcomed the opportunity to cooperate with growers and agricultural agencies to gain these objectives. Our facilities have served as proving grounds for marketing ideas initiated by these groups.

Typical of the part played by A&P and Atlantic Commission Company as laboratories for agriculture during the past year alone are experiments in the marketing of tree-ripened peaches, grading and by-product development of sweet potatoes, air transportation of perishables, pre-packaging and store refrigeration of fruits and vegetables, early harvesting and direct delivery of sweet corn and other products, grading and merchandising of eggs, and pioneer development of a market for hen turkeys and for a meatier type of poultry.

These experiments and others like them, conducted down through the years with the cooperation of growers over the country, have enabled us to open new local and distant markets for a wide variety of farm produce.

Today growers are confronted with the urgent need for an all-out effort to maintain their expanded markets. If agriculture is to continue on a sound and prosperous basis, it is more important than ever for producers, agricultural agencies and distributors to determine the basic requirements for market efficiencies and improvements and work together in applying these essentials.

Recognizing that the Hope-Flanagan Act (H.R.6932) has set up the machinery to accomplish these objectives, agricultural leaders everywhere are studying the Act and discussing it with a view to putting this machinery to work. Producers, too, are obtaining copies of the Act in order to see how they can cooperate in this great move to improve the distribution of their products.

To all agriculture we say: The nationwide facilities of A&P and Atlantic Commission Company for buying, distributing and retailing food to more than 6,000,000 American families are available to growers and research groups seeking better ways of feeding the nation.

ATLANTIC COMMISSION COMPANY

AFFILIATE OF

THE GREAT ATLANTIC & PACIFIC TEA COMPANY

Lunch Time at North Pilot rural school in Iowa county, Iowa, and Mrs. Dorothy Ressler, the teacher, serves hot cocoa. Lack of federal funds has forced some schools to drop lunch program.

School Children Get Hot Lunches

One-Room Rural Schools Used Federal Aid to Give Pupils Hot Meal at Noon

Until April 1, the federal government helped schools provide daily hot lunches for their pupils. Now money for the program has run out. Congress has refused to appropriate funds for the rest of the school year. And it is talking about cutting out the program next year altogether.

How farm people feel about school lunches is shown at the bottom of this page. For the views of individual Iowa dairymen, see page 49.

The following story tells how some rural schools have been using the hot lunch program.

CAN your children have a complete hot lunch at school? It's easy for town schools, you say. They have special kitchens and extra help. But you think it might be more difficult in one-room rural schools.

Nevertheless, many rural schools have been doing it—with the help of the federal school lunch program.

Until funds ran out, April 1, the federal government paid up to 9 cents a meal. To get this help, schools had to provide a meal furnishing one-third to one-half of a child's daily food needs. Milk and certain other essentials had to be included.

All states have been participating. That includes city, town and country schools. The program has two purposes: To give children health advantages of something hot to eat for lunch; and to keep in operation the machinery for boosting consumption of farm products.

In rural schools, several different systems have been used to provide the lunches. Simplest plan from the teacher's standpoint is that worked out by the Meisgier school, in Fayette county, Iowa. Its nine pupils come from five families. Each mother takes her turn furnishing food for one week.

Dishes such as meat and potatoes are prepared and cooked at home. All Alice Zaph, the teacher, has to do is warm them up. Each pupil helps with the serving.

One Meisgier parent, Melvin Gust, admitted his wife did not think too much of the lunch idea at first. But now she likes it better than sending dinner pails all the time.

Many schools provide lunches only in the colder months. "But our folks wanted to begin right away when school started. And in spring they never want to stop," said Mrs. Lucy Freeze, teacher at Milo school, in Delaware county, Iowa.

"My seven pupils come from three families," continued Mrs. Freeze. "And they're the best people to furnish." This teacher prepares a list ahead, then certain ones each day supply different items of food.

At Joseph school, in Delaware

Farmers Favor School Lunches

The Wallace-Homestead Poll recently asked Iowa farm people this question: "A budget committee of congress has recommended cutting out appropriations for federal aid for school lunches. How do you feel about it?" The answers were:

78 per cent said: "Keep school lunch aid."
12 per cent said: "Cut out school lunch aid."
10 per cent were undecided.

Of the women, 84 per cent wanted school lunch appropriations continued. Among men, the favorable vote was 72 per cent.

Republicans gave a 74 per cent vote for keeping school lunch aid; Democrats gave it a vote of 83 per cent.

Lack of facilities has not kept schools from using lunch program. Here, pupils of Joseph school, in Delaware county, Iowa, head for neighbor's to get water.

county, taught by Elsie Sherman, there are 13 pupils. Ten of them eat at the school. They pay 10 cents a day for their lunches.

Miss Sherman does all buying and keeps a record of everything. One of the older boys acts as treasurer, collecting the money from the children.

This school got free potatoes from the government's surplus commodity program. They were expecting to get tomato juice, condensed orange juice and canned carrots from the same source of supply.

"I don't feel that lunches overwork teachers," said Miss Sherman. "I object to a cold lunch myself. And you can actually see improvement in nutrition of some of the children since we began serving these lunches."

In Iowa county, Iowa, Mrs. Dorothy Ressler said: "The hot lunch worried me to begin with; the first week about got me down. Now I'm used to it." She's serving her third year as chief cook and teacher for the 20 pupils in the North Pilot school.

Mrs. Ressler buys most of the food. But each of the 10 patrons furnishes one dressed chicken during the year. They also donate potatoes and carrots, which are stored in the school basement.

A quarter of beef was purchased from one patron. Part was canned, and the rest of it was made into hamburger.

The 11 children at nearby Pilot Grove school, taught by Mrs. Kathryn McCallister, bring sandwiches and fruit from home. The teacher buys food for hot dishes.

Improved health and better eating habits—these are important hot lunch benefits. But there are others, too. The study of foods fits in with hygiene lessons. Washing before meals is always required. Table manners are emphasized. One teacher told how grace always is said before meals.

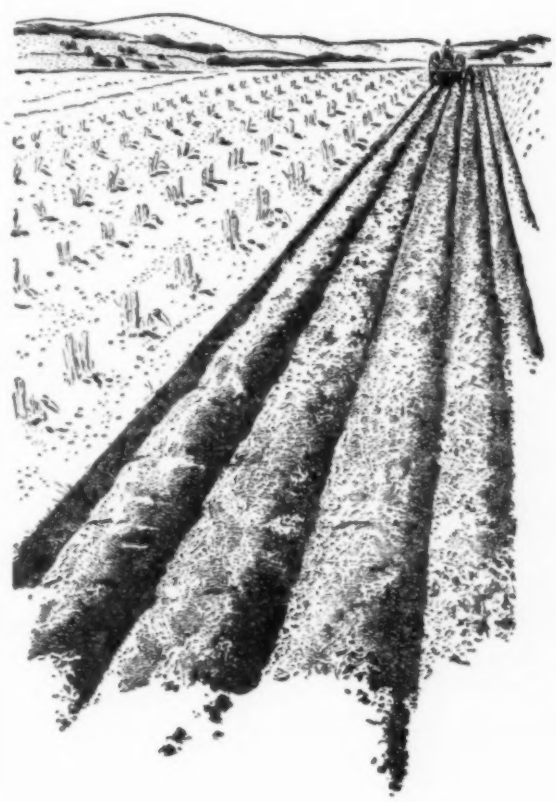
Teachers, parents, children — all give unanimous approval. And Miss Cleone Miller, school superintendent in Iowa county, Iowa, had this to say:

"Where the teacher can do it, the school lunch is fine. There is a limit to what a teacher can handle. But where the whole district cooperates, these lunches are proving practical in rural schools."

There are problems of equipment, labor, time management. But none of them is insurmountable. And cost is really less per pupil than if they carried lunches.

To Make Our Position Perfectly Clear

A Statement by Henry Ford II



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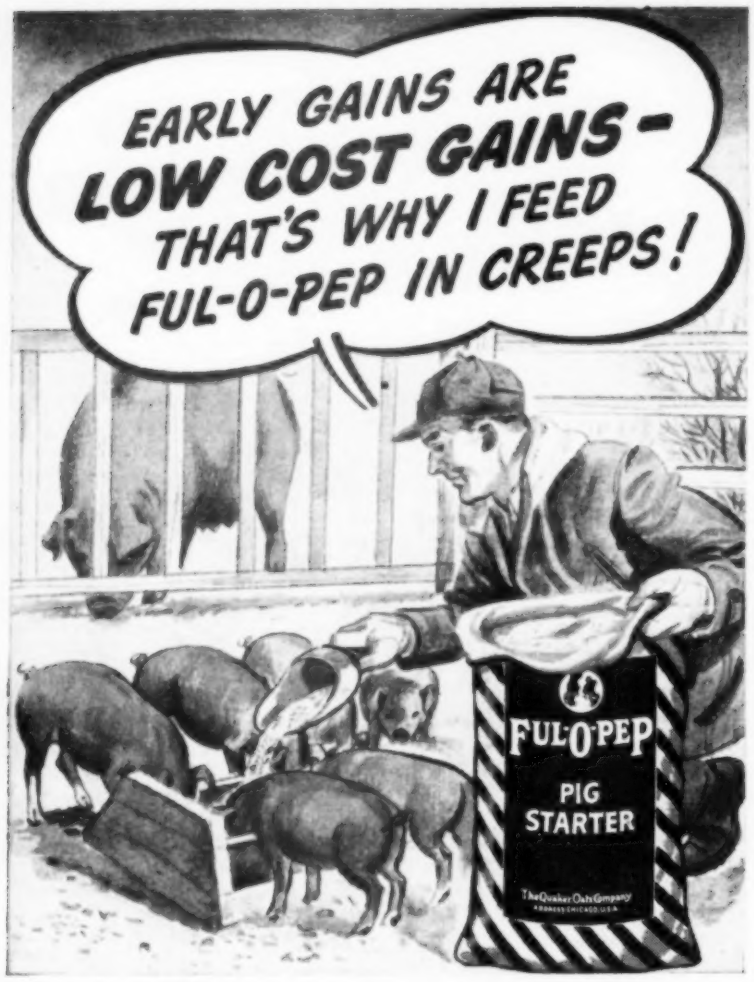

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What's New About Hybrid Corn?

Hybrid Corn Breeders Working Feverishly
You Have Not Seen the Best Hybrid Yet

HYBRID corn has increased our corn yields. Everyone admits that now. But some farmers may think the corn revolution is over. That isn't true.

There are still new things being worked out by hybrid corn companies. They are not thru with increasing yields.

In the 1946 Iowa corn yield tests, experimental hybrids won nearly all the first places. That means that hybrid corn companies have found hybrids that are better than the old standbys. You will soon be offered these better hybrids.

But, in other ways, better hybrids are here, or on the way. There are improvements in processing seed corn.

"What is new in hybrid corn?" Wallaces' Farmer and Iowa Homestead put that question to hybrid producers. From their replies we glean the following information.

One development that farmers are interested in at planting time is the seed treatment. No one likes to replant corn or to have a poor stand.

The wet treatment is now used in applying chemicals to seed corn. It has long been known that if you could get enough of the chemicals on corn and get them to stick to the kernels, bigger benefits could be insured.

One company to use the wet method is Crow's Hybrid Corn Company. The method puts an actual film coat over the seed. The cold test was applied to seed with this treatment, with the following results, as reported by the Crow company:

Untreated seed, after being exposed to 47-degree temperature for 14 days, germinated 6 per cent. Ordinary dust-treated seed germinated 64 per cent. The film-coated seed germinated 93 per cent.

This film-coating development will benefit the entire seed industry, the Crow company believes. It is working on a number of other things, including pelleting for corn and addition of growing chemicals, to give the seed an extra kick.

This discovery promises to boost those 65 to 70 per cent border-line stands to stands as high as 90 per cent, despite cold, damp weather after corn has been planted.

The Crow company thinks it will also prevent weak stalks that produce a "nubbin or nothing."

A report is made on the "slurry" treatment used by the Moews Seed Company. A cold test was provided by planting the corn in soil at 40 degrees temperature. Then the temperature was run down to as low as 31 degrees for one night. A gradual rise in temperature was then brought about.

After 16 days of the cold treatment, 80 per cent of the treated seed had appeared above ground. Only 13 per cent of untreated seed had come up. All of the treated seed had appeared above ground in 17 days.

Something of the method of treating seed corn by the wet process is described by the Kelley Seed Company. The disinfectant is first mixed with water. Then 10 pounds of corn is weighed out and the corn and material run thru a cylinder.

There is enough moisture to make the chemicals stick to the corn, but not enough to have any effect on the moisture content of the corn.

The problem of getting corn that will grow in cold weather is being attacked from another angle by the hybrid seed corn companies.

On the experimental plots of the DeKalb Agricultural Association, DeKalb county, Illinois, different hybrids are tested for their natural resistance to cold, wet weather at corn planting time. Different strains are planted side by side. The ones that fail to make a stand in cold weather are spotted.

The DeKalb corn breeders are convinced seed corn requires natural resistance to cold, wet conditions as well as the added resistance given by seed treatment.

DeKalb processing of seed corn includes both the wet and the dry treatment. In their tests with Arasan, untreated seed grew 52.5 per per cent in the cold test. Wet treated seed in the same cold test grew 86 per cent and Arasan dry treatment grew 89 per cent.

All seed companies treat their seed. Some have secret formulas that are very effective. At the present time corn growers can feel safe in planting hybrid seed in the knowledge that the corn has been treated for protection from weather and molds.

As one hybrid man put it, the germination tests made by the hybrid seed producers mean very much more than the simple statement on the sack that the corn was found to germinate, perhaps, 89 per cent.

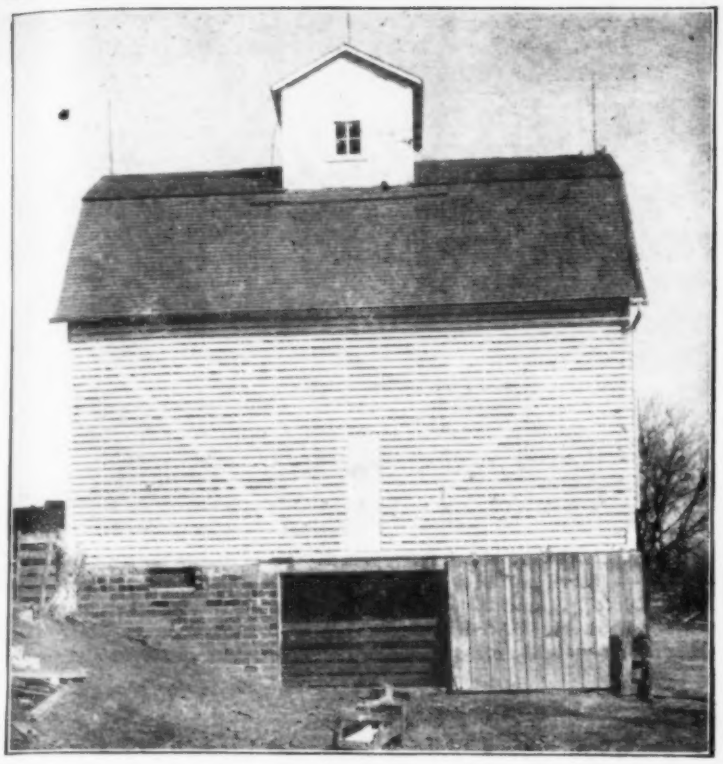
This is the test made to comply with state law. It is made under favorable conditions for germination. The tests that the hybrid producers use are made under unfavorable conditions. Corn bought by the corn grower of today has had a real test.

Getting good stands of corn is one way to get big yields. But one corn company is trying something else along with good germination.

Two ears of corn per stalk is getting a lot of emphasis from the Lowe Seed Company. It thinks the next big step-up in yield will come thru the prolific gene. It reports about 30 per cent increase in yield by having two ears on a stalk, providing the moisture and nutrients are available.

The Lowe company also is experimenting with corn that will contain a bigger percentage of protein. It has started incorporating high protein strains in its hybrids.

The DeKalb Agricultural Association is also looking forward to



Designed to save labor. H. W. Buck, Adair county, Iowa, built this 27x32 crib just the way he wanted it. It will hold about 3,500 bushels of ear corn and 2,000 bushels of small grain, has an 11-foot driveway. The basement, for livestock, has a seven-foot ceiling. Buck plans to build a concrete feed floor on out this way from the basement door. Overhead bins provide room for shelled corn or ground feed, as well as small grain. Chutes from the various bins fill the self-feeders in the basement by gravity. Ear corn can be loaded from the basement, or can be thrown out of the side door shown above.

producing a hybrid with higher protein percentage. It is reported that big corn crops of the past few years have been lower in protein content than the somewhat smaller crops of a few years ago. DeKalb corn breeders are working on this problem.

Some corn breeders are working on the problem of producing a high quality protein. Some investigations show that certain qualities in protein are perhaps more important than quantity. Pioneer Hi-Bred plant breeders are emphasizing this point.

Hybrid corn breeders largely solved the problem of flinty corn. This appeared in some early varieties and made them undesirable for feeding, according to some farmers. It can be expected that the protein problem will also be solved.

The insect threat to corn is not being overlooked by hybrid seed corn producers. They are working on several control methods at once.

In "Hell's Acres," which is used by Pioneer Hi-Bred to test the resistance of hybrids to many corn weaknesses, observations are being made on resistance to corn-root worms.

Some hybrids have been found which will quickly throw out little rootlets to get hold of the soil where worms have cut the roots. By this method, they hope to tag the hybrid varieties which can stand planting on land the second and third year in succession.

Corn borer resistant strains of corn are not always good yielders. That has been proved in Illinois corn yield tests. Funk Brothers' hybrid corn research staff is keeping this in mind.

The research staff of the Funk Brothers Seed Company is watching new hybrids that will resist insects and at the same time produce lots of high-quality grain. It is difficult to get these qualities in combination, but the experts who have produced hybrids are working on it.

The Funk research staff has also noted that some varieties of corn seem capable of "corking off" injuries which have been done by insects to the stalk or its root system.

Spectacular results are reported by one seed corn company by including a very small amount of fertilizing material with the seed disinfecting material. This is reported by the Reid National Corn Company.

The Reid company uses a method which causes the fertilizing material and the seed disinfectant to stick to the kernel. Better stands were reported and faster growth till the corn was knee-high.

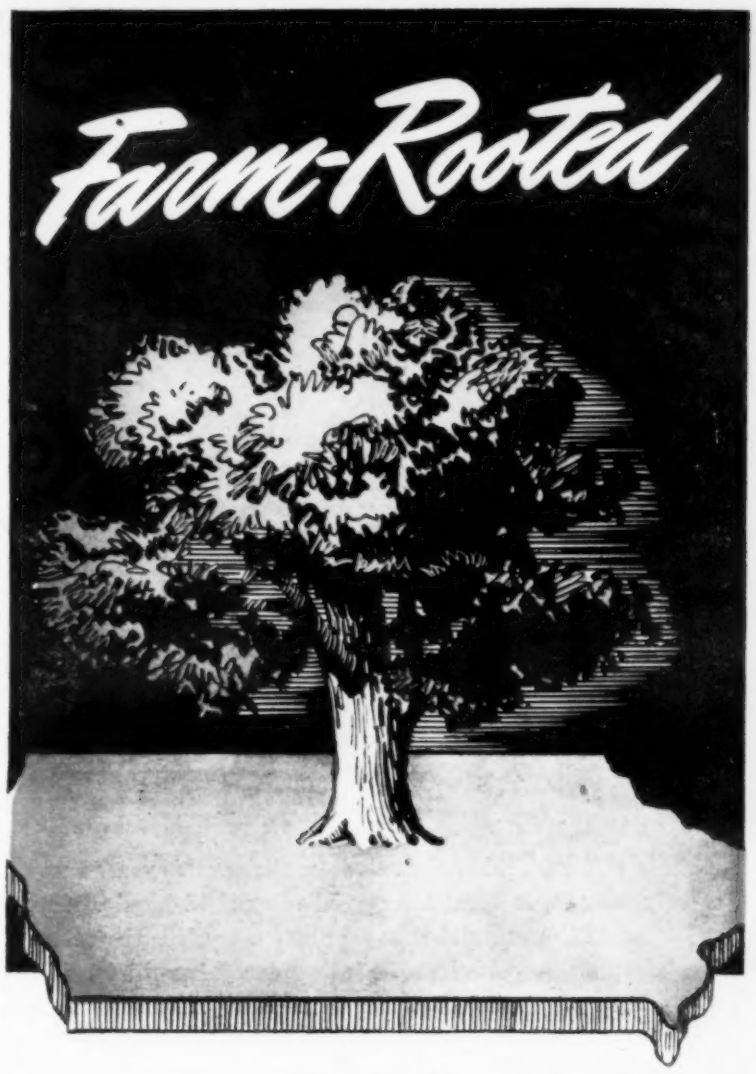
This is the big new development in the raising of hybrid corn says this company.

Single cross hybrids are being produced by Crow's Hybrid Corn Company. McCurdy & Sons are also producing a single cross hybrid from line-breeding. One of the newer things being brought out may be the tendency toward single cross hybrids.

One hybrid corn company thinks that there are possibilities in the discovery of varieties of corn that will resist drouth. But they are of the opinion that there has not been a good opportunity to test drouth resistant hybrids since 1936. This is the thought of R. W. Hagie, of Hagie's Hybrids.

The same plant breeders who developed hybrid seed corn in the first place are still at work. Many who did not answer our question, "What is new in hybrids?" are working, too.

With the thousands of crosses that can be made to produce hybrids, no one knows what some corn breeder may turn up with. You don't have your best or final hybrid yet.



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Wallaces' Farmer and Iowa Homestead considers its job to be one of making news as well as reporting news. It is a farm institution as well as a farm and home paper.

Remember its campaign to keep adjacent farm land from being assessed to pay the cost of paved highways? Remember its work for hybrid corn in 1919 and 1920—years before hybrids came into commercial use?

These are examples of its vigorous defense of farm interests and of its championing of new ideas. Wallaces' Farmer and Iowa Homestead is proud of the part it has played in helping make Iowa the greatest of all farm states. It is dedicated to the job of pointing the way to even better living and greater security for the average farmer.

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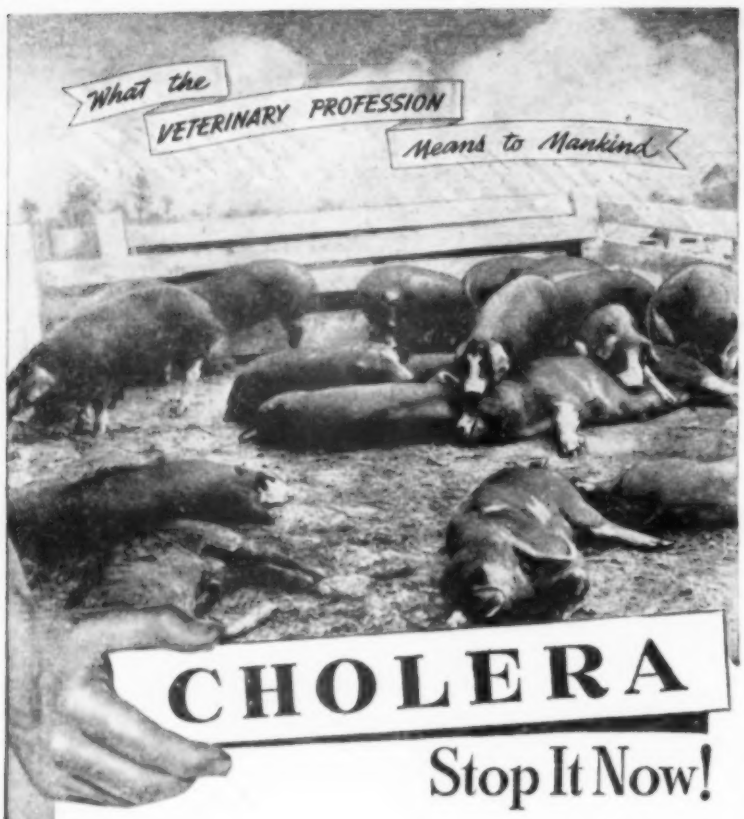

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—WASTE FATS ARE STILL NEEDED—

Figures on chart show how percentage of valuable lean cuts goes down and less valuable lard increases as weights of hogs go from 220 to 270 and 320 pounds. When picture was taken at Spring Market Show, in Cedar Rapids, Iowa, Ralph May, Chicago, was discussing market weight as a factor in meeting requirements of consumers.

Hog Producers Study Type and Weight

Judges Pick Winners at the Strong Iowa State Spring Market Barrow Show in Cedar Rapids

HIGHLIGHT of the Spring Market Hog Show, Cedar Rapids, Iowa, March 22, was the hog men's institute, held after the judging. Theme song of the discussions was "the intermediate type hog."

Prior to the program, hog men from 31 Iowa counties had showed over 100 pens of barrows. Lightweight class was toughest. Judges had to work almost two hours to get the placings in that one.

Hogs were also classified as blue, red or white. They were sold on the basis of 50 cents over Chicago top for blue, top for red and 50 cents under for white. Naturally, most of the hogs rated blue.

Grand champion barrow was a 235-pound crossbred shown by Theo. Meyer, Marengo. E. W. Forest & Sons, Mt. Vernon, had grand champion pen. List of awards appears elsewhere in this issue.

P. S. Shearer, animal husbandry head at Iowa State College, acted as chairman of discussions during the program.

Buford McClurg, also of Iowa State, used three live hogs and three carcasses from similar hogs to show why consumers prefer cuts from intermediate types. Type influences future lard surpluses, too.

Ralph May, Chicago, discussed market weight as a factor in meeting consumer requirements. He used carcasses of hogs weighing 220, 270 and 320 pounds, to show the greater per cent of valuable lean cuts in the lighter hog.

For each 100 pounds live weight the 220-pound hog produced 44.4 pounds of the more valuable cuts of meat and 16.1 pounds of lard, compared with 43 pounds of valuable cuts and 19.4 of lard from the 320-pound hog. Normally, the less valuable lard causes price cuts on heavy hogs.

C. C. Culbertson, Iowa State College, presented figures to show the relative cost of gain in marketing hogs at various weights.

In preparing the figures, he assumed the hogs were good, medium type, that six pigs weighing 35 pounds each were weaned from each litter at eight weeks, and that they were spring pigs self-fed on alfalfa pasture.

Culbertson used these prices for feed: $1.50 per bushel for No. 2 shelled corn; $112 a ton for supplement; $80 a ton for mineral and $15 per acre for alfalfa pasture.

At weaning time, each pig had cost $9.51, of which $7.61 was feed cost.

To grow the pig from 35 to 220 pounds took 560 pounds of No. 2 shelled corn or its equivalent, 65 pounds of supplement, one-half pound of mineral and a fraction of an acre of pasture. The feed cost was $10.46 per 100 pounds of gain.

Total investment in the 220-pound hog was $33.69. It would have to sell for $15.31 at home to break exactly even with no profit.

To put the imaginary pig to 270, feed cost would be $11.42 per cwt. of gain. At 270 pounds, it has cost $40.41, but you can take $14.97 for it at home and break even.

To feed the pig to 320 pounds cost $13.52 per cwt. of gain. From a feed cost standpoint, gains cost more as weights increase.

You could sell the 320-pound hog for $15.11 per cwt. and break even.

That points up the place of the medium type hog when supply and demand get back more nearly to normal. He can be finished and sold at 200 pounds if consumer demand makes that weight favored in price. Or, if demand and the feed ratio justifies it, a medium type pig can be carried on to a heavier weight.

Farmers can, to some extent, control a potential lard surplus. First, by breeding for a type with a high per cent of valuable lean cuts and a minimum of lard. Second, by selling at light weights. The per cent of lard is higher in heavier hogs.

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Farm News Briefs

TWELVE COUNTY Farm Bureaus in Iowa have been given American Farm Bureau merit certificates for their 1946 membership work. Counties are Adams, Cass, Clarke, Cerro Gordo, Davis, Decatur, Jefferson, Madison, Marion, Monroe, Polk and Ringgold.

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TWO IOWANS are on a livestock advisory committee which will suggest projects to be carried out under the new Research and Marketing Act. They are Howard Hill, Dallas county, vice-president of the Iowa Farm Bureau Federation, and William Yungclas, Hamilton county, president of the American Pork Producers Association.

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IOWA MEMBERS of research advisory committee for soybeans and flaxseed are: Otto Brandeau, Floyd county, and Karl Nolin, Carroll county.

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MIDWEST Conference on Rural Life and Education will be held at the University of Minnesota, April 17-19. This year's subject is "What Kind of School Program Will Contribute to Most Effective Living in Rural Communities?" Allan Kline, Iowa Farm Bureau president, is on the speakers' list.

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NEW REA LOANS in Iowa go to Wright County Rural Electric Cooperative, Clarion ($86,000), and Woodbury County Rural Electric Cooperative, Moville ($380,000).

▲ ▲ ▲

TWO IOWA livestock groups will change field secretaries this month. Bill Imlau, Clayton county, replaces Garold Parks as secretary of the Iowa Beef Producers Association. Dallas McGinnis, of Monroe county, takes over from Paul Brasch as secretary of the Iowa State Dairy Association.

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IN MAY, the U. S. hopes to ship 51,500,000 bushels of wheat, corn and other grain to needy countries. The April quota is 58,000,000 bushels. Biggest shipments of both wheat and corn will go to the U. S. and British occupation zones in Germany and to U. S.-occupied areas in the Pacific.

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FIREARMS accidents in farmers' homes are third only to falls and burns, reports the National Safety Council.

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PROTESTANT churches thruout the country will observe Rural Life Sunday this year on May 11.

"There's getting to be too much work around here. We'll either have to buy another mule or one of us get a wife."

WHEREVER you go, when farmers start talking mowers, you'll find the John Deere No. 5 Power Mower in the spotlight. Never has a tractor mower held such top priority in the choice of hay growers, and never has a tractor mower measured up so completely in everything that counts in fast, clean, low-cost mowing.

Working with any make of tractor, the No. 5 mows from 25 to 35 acres per day—cuts "clean as a whistle" in any crop, any field. Simple, durable and easy to attach or detach, it's a tractor mower through and through. Its flexible caster wheel and hinged drawbar carriage, and its foolproof safety release features have been copied by many but equalled by none. Simple adjustments permit keeping the No. 5 working like new down through the years. See your John Deere dealer for complete information. Free folder will be mailed upon request.

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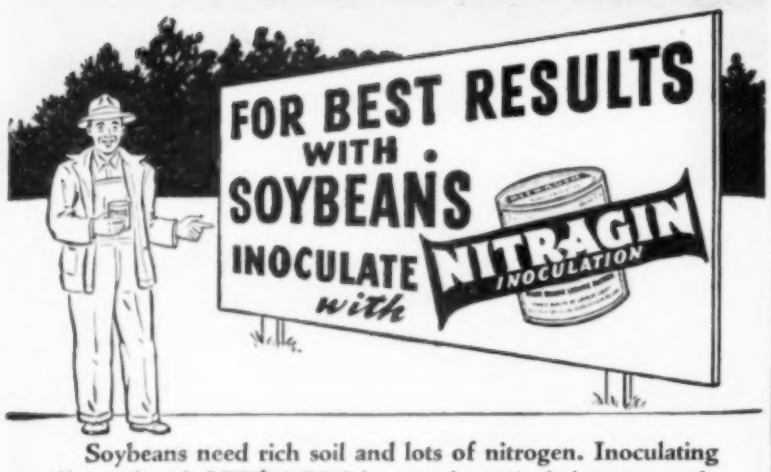

Soybeans need rich soil and lots of nitrogen. Inoculating the seed with NITRAGIN legume bacteria helps to supply this element at a cost of only a few cents an acre. NITRAGIN inoculation helps crops to a faster start . . . gives plants more vigor to fight weeds and drought . . . helps boost yields, frequently up to 50%. Don't take chances when you plant soybeans . . . inoculate every planting with NITRAGIN.

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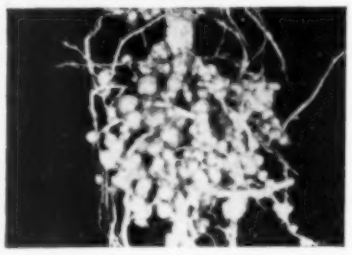

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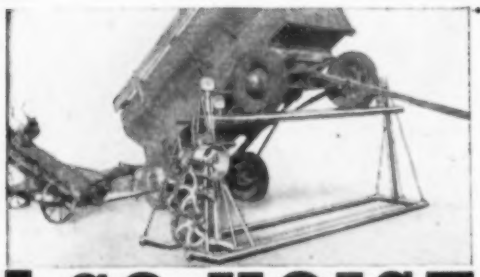

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ESTABLISHED 1919 FORT DODGE, IOWA

PUT SOME OF THAT EXTRA CASH INTO U. S. SAVINGS BONDS

Reports on Loans made by Farmers Home Administration were heard by Iowa FHA committee at March meeting. Standing, from left: Chris Jensen, Audubon county, chairman; Dean H. H. Kildee, I. S. C.; Frank Lauters, Plymouth county; John R. Holland, Van Buren county. Seated, from left: Mrs. Ruby Orton, Black Hawk county; James Hatcher, Warren county; A. J. Loveland, Bremer county, state PMA chairman; Howard Hill, Dallas county, IFBF vice-president; Homer Hush, Wallaces' Farmer and Iowa Homestead.

Farmers Pay Loans Ahead of Time

One-Fourth of 100 Per Cent Tenant Purchase Farm Loans Are Paid in Full

FARMERS who borrowed money from the government to buy farms on the 100 per cent loan plan are paying their loans rapidly. Since last July 1, the payments actually made have been over four times as much as required.

On 955 such loans made in Iowa since 1937, about one-fourth, or 237, have been paid in full. This report is made by H. L. Young, state chief of the farm ownership division of the Farmers Home Administration.

These farm loans were started as tenant-purchase loans under the Bankhead-Jones Act. They were supervised, until this year, by the Farm Security Administration, now renamed Farmers Home Administration.

These loans have certain restrictions. Both borrower and farm must be approved by the county FHA committee of farmers. The farm must be of family size. The loan can't be more than $12,000. But it can be for 100 per cent of the cost of the farm.

The loans are supervised by county FHA supervisors. Each borrower makes a farm plan with the supervisor and keeps a careful record of income and outgo.

The big pay-off record made in the past year was accomplished by using 19.4 per cent of the gross income, on the average, for servicing the debt on the farm.

Gross income to operators of these family-sized farms averaged $6,663 per farm. Farm operating expense was over 39 per cent; family living, 20 per cent; capital goods, 15 per cent; other expenses, 6 per cent.

But, despite the success of the 100 per cent loans under conditions of the last 10 years, very few new loans are being made now. Young reports 16 loans to buy farms have been made since last July 1.

High land prices are given as the reason for so few loans being made recently. C. O. Doty, farm appraiser for the FHA, says loans are not approved unless normal production and prices indicate the family can pay out on the loan. Corn at 60 cents is used as the normal price.

There is hope for more farm ownership loans under a new provision of the law relating to the FHA. This provision sets up a loan insurance program. Private money would be used to make farm loans.

B. W. Lodwick, head of the FHA in Iowa, said we might hope for one or two thousand loans per year if this program was actually made to function.

Two things would have to happen before the insured loans can be used to make farm owners out of tenants in Iowa. Congress would have to make an appropriation for the revolving fund to support the loans. And land prices would have to be in line with farm prices that can be expected in the future.

The FHA also supervises operating loans. These loans were formerly known as rehabilitation loans.

Fred Morgan, head of the production loan program in Iowa, reports that farmers have paid 25 per cent more than was due on these loans since last July 1.

The interest on loans made to farmers has more than paid the losses from unpaid loans, Lodwick told the state FHA committee.

When farmers repay their loans to the government, the money goes straight to the national treasury, Lodwick explained. It is not available for making new loans.

After hearing the report from Lodwick that funds were not available now for loans to help farmers who can't get other credit, the FHA state committee sent a resolution to Washington asking that funds be provided for loans to service men and others who might need help at this time of year.

It Doesn't take fancy equipment to lay out contour lines, says Clyde Brown, Sac county, Iowa. He's holding level and target.

Get 10 More Bushels On Each Acre

If Technicians Are Too Busy, You Can Run Your Contour Lines With Simple Equipment

CONTOURED corn will give you more bushels per acre. That is the opinion of hundreds of farmers. In all sorts of surveys and interviews they credit contoured corn with an extra 10 or 11 bushels per acre.

On top of bigger yields, contouring saves top soil. It helps prevent loss of fertility. And water run-off is held in check.

Some farmers object to the short rows. Clyde Brown, Sac county, Iowa, has the answer to short rows and extra turning.

"Sure you have some short rows," he says. "But last fall we also had plenty of long rows where we picked 60 or 65 bushels from two rows."

A lot of people might contour if more technical help were available. But there just isn't enough skilled help to run contour lines for everyone. With a little equipment you and a neighbor can do the job yourselves.

Brown, since the first year when he attended a demonstration of contouring, has been running his own lines. And he has helped several neighbors get started.

"In fact, if I ever stuck my neck out and offered to, I wouldn't be at home at all in the spring," he says. "I'd be running contour lines."

The place to start is just below the brow of the hill. About at the place where you can just see the skyline over the hill, Brown explains.

His equipment consists of a small level fastened to a crosspiece on a light stake at a convenient height for sighting, plus a target which is a crosspiece on another stake at the same height.

Brown doesn't use lath to mark the guide lines. He carries old newspapers, and at each point on the contour he piles some dirt on a good-sized piece of paper. The papers are easy to carry and to see. A paper shows up even after a rain, and you can plow it right under.

The object is to find a series of points, about 100 feet apart, which are on the same level around the slope.

The man with the target walks about 30 steps ahead of the man with the level. He moves the target up or down the hill until it is at the same height as the level. You can tell by sighting at the target across the level, making sure the bubble in the level is between the marks. Then that position is marked.

Now the man with the target stands fast and the one with the level goes about 30 steps ahead and finds the spot where he's level with the target. That is marked. Then the target moves ahead.

Extreme accuracy, such as is needed for a terrace, is not necessary. The contour line shouldn't sag, however. That would allow water to collect in the low place, break over the row and wash down the hill.

Once the line is staked, you are ready to plant or plow. Brown likes to plow on the contour. He says that it saves lots of soil from washing down the hill.

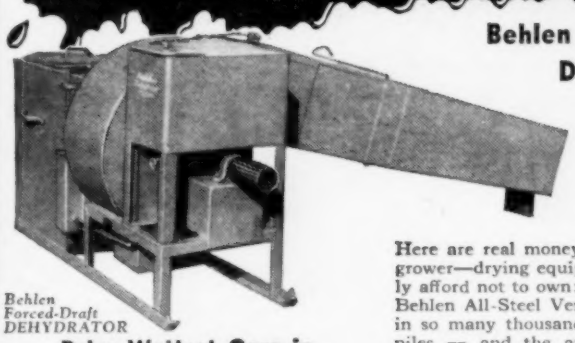
He warns not to go directly from marker to marker the first time thru. Curve around the points so you won't have sharp jogs in the rows.

Plow or plant above and below guide line until the slope changes. Then establish a new guide line and work both ways from it. Fill in with point rows where necessary. And don't plant end rows up and down the hill.

"Work with it for a year. You will learn a lot and have to make some changes, but it will be worth it," Brown says.

Dry Your Corn NOW—
before it begins to thaw and mold!

Behlen Forced-Draft DEHYDRATOR, Ventilators and TUNNELS



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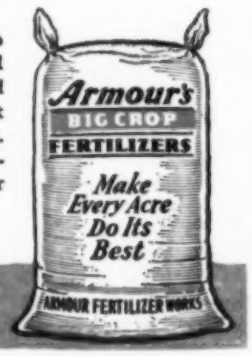

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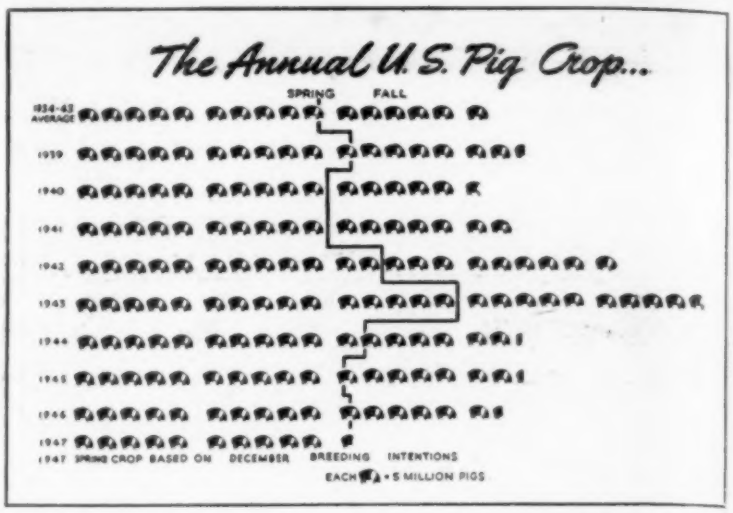

Until Next Fall fewer hogs will be coming to market than a year ago. The reason: Farmers raised 11 per cent fewer fall pigs during the fall of 1946 than they did a year earlier. Farm economists at the Iowa State College say that all summer long hogs will continue to offer a better market for corn than selling it for cash.

Tips For April

April is a mighty busy time on most Iowa farms. There just doesn't seem to be enough time to go around. But there are some jobs you can't afford to put off. Some of these are suggested by the Farm Management Staff at Iowa State College.

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SOWS AND LITTLE PIGS need special care right now. Lee Hill, of Warren county, Iowa, has found that a little extra attention paid now may save plenty of trouble later on. Keep the little pigs out of the old lots. That's where they are likely to pick up disease. Hill gives his suckling pigs some extra feed. He castrates and vaccinates before weaning, too.

▲ ▲ ▲

PASTURING CATTLE should be put off until well into May. That is the advice of several Bremer county, Iowa, dairymen. They've learned that turning cattle out on pasture too early doesn't pay. They wait until grass is four to six inches high. Start pasturing two or three hours a day and gradually increase the time.

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CHICKS NEED PLENTY of feeders and fountains. Martin Berger, of Carroll county, Iowa, has found that ample feeding and watering equipment is a time-saver. He needs to fill them only once a day. The chicks can eat and drink without crowding. He says it holds down the number of culls and death losses.

▲ ▲ ▲

GET BROODER HOUSE out on clean ground—if you have not already done so. Bill Lorton, Van Buren county, Iowa, has found that mixing baby chicks and older chickens is bad business. Chicks out on clean ground don't have a chance to catch disease from older poultry.

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ANY GULLIES on your farm? Better stop them before they get too big. Gilbert Hotle, of Louisa county, Iowa, has a system which has worked well. He plows in the ditches to give his water course more width. Every so often, he builds a dam with sod and sacks of dirt seeded to a grass mixture. Then he seeds the whole waterway with a mixture of clover, alfalfa, timothy, blue grass and a nurse crop. Once the new seeding is established, Hotle lets it alone.

▲ ▲ ▲

SHORT OF BEDDING? Joel Cahill, Cerro Gordo county, Iowa, cleans the chaff out of the bottom of the haymow about this time of year. He says it makes good hog bedding.

▲ ▲ ▲

CONTOURING PAYS off in better crop yields. It saves soil, too. Feldman Brothers, of Washington county, Iowa, try to get their contour lines for corn staked out in early April. Where possible, they plow and disk on the contour, too.

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CORN OFTEN SPOILS in warm spring weather. Lyle Orr, Johnson county, Iowa, makes it a point to watch his stored corn for signs of heating and spoilage.

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IS YOUR PLANTER ready for the job? Checking it over thoroly is a good job for a rainy day in early April. Oil and grease it where needed.

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HOG AND POULTRY watering often can be combined. Bill Lorton, Van Buren county, Iowa, has his hogs and poultry near each other, out on clean ground. He hauls water for both at the same time. Feed for both goes out on one trip, too.

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IS FARM RECORD keeping a lot of bother? Fred Buckley, Sioux county, Iowa, has a system which works well. He keeps a day-book in the top drawer of the kitchen cupboard, right by the door. He jots down records of any purchases as he comes in the house. Then, at the end of every month, he transfers the records to his farm record book.

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CONTOUR LINES can be laid out now. The Feldman brothers, of Washington county, Iowa, like to get their contour lines laid out ahead of spring work. Early seeding of water-ways that need sodding is a good idea, too.

Master Farmers

Community building, farm leadership and farming skill count as Wallaces' Farmer and Iowa Homestead adds Howard Hill and Donald Bellman to the list of Iowa Master Farmers.

G. D. Bellman, of Warren county, served on county AAA committee, is director of Production Credit Association. A herd of 24 Holsteins and 30 litters of pigs a year are basis of his income.

Hill, vice-president of the Iowa Farm Bureau Federation, feeds beef cattle and raises hogs on his farm in Dallas county.

Bellman has served on school board, on DHI Association, and is milk route chairman of Des Moines Cooperative.

Howard Hill raises from 700 to 1,100 head of hogs a year and milks 14 dairy cows. He has served on the school board, farm forum, Farm Bureau and in the Western Policy Association. His father, Ed Hill, was one of Iowa's first Master Farmers.

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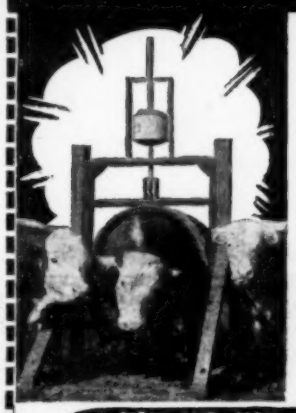

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ONE DOLLAR PRIZE

Readers are invited to contribute farm items of interest for the department, "It Happened in Iowa." One dollar each will be paid for items used. If you want photographs or drawings returned, enclose stamps. Otherwise, no contributions will be returned.

A good many hundred contributions are received and only a small number can be used. Don't be too disappointed, therefore, if your contribution does not appear. We are oversupplied with items about deformed farm animals, odd-shaped eggs, vegetables, etc.

High herd champion at the National Barrow Show was A. C. Ogden, North Manchester, Indiana. His Silverbrook Farms hold many top-rank awards for OIC hog competition. In addition to national honors during 1946, Ogden showed Ohio Improved Chesters which won him championships at the Illinois, Indiana and Texas State Fairs.

• • •

"At Silverbrook Farms, the work day starts early," says A. C. Ogden. "I often start breakfast with Wheaties. Hard-working nourishment in those big whole wheat flakes. Nourishment plus swell-tasting flavor are the reasons I'm sold on a big bowl of Wheaties at breakfast." *Reasons for you to try Wheaties, "Breakfast of Champions."*

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SERVICE BUREAU

The Sign of $50 REWARD WALLACES' FARMER SERVICE BUREAU *Protection*

Swindler Is Sentenced

BECAUSE of the aggressive action taken by Service Bureau Member Earl R. Walker, O'Brien county, Iowa, one more swindler is out of the way and now is serving his sentence.

Walker has received the $50 Service Bureau reward for his part in the arrest and conviction of Roy B. Powell. Powell appeared before Judge R. G. Rodman in district court and was sentenced to serve not to exceed seven years in the state penitentiary at Fort Madison.

Roy B. (Barney) Powell

On November 13, Powell went to Walker's farm and told Walker he represented a repair shop in Boone, Iowa. Powell claimed to have secured a number of refrigerators from the War Assets Administration.

He had a long story about value of machines, their guarantee, and stressed delivery in a short time. The refrigerator was supposed to sell for $305. Powell, however, was allowing a 10 per cent reduction for cash.

Walker bought a refrigerator and paid for it by check. But his refrigerator was never delivered. Walker did some checking up, but he couldn't locate Powell, who had already cashed the check.

Finally a county attorney's information was filed and Powell was arrested. It took a wild 10-mile chase by the Clay county deputy sheriff, but Powell was finally caught.

At the Clay county jail, Powell admitted his guilt and offered to refund Walker's money. But this time it didn't work. Walker went ahead with the charges, and Powell won't be swindling any more farmers until his sentence is completed.

Walker is to be commended for his refusal to settle the case, which would have left the swindler free to "sell" more merchandise to other farmers.

Saltpeter May Make Stumps Burn

To the Editor: I have two large ash tree stumps, two feet in diameter, which I would like to burn out. Is there a chemical with which I can soak these stumps so they will burn?—W. J., Clay County, Iowa.

A friend offers this method: Take a three-fourths-inch auger and bore several holes in the top of each stump, as deep as you can, put about two tablespoonfuls of saltpeter in each hole, pour in a little water, then drive in a plug tightly, and let it stand until dry weather. Then pour kerosene into these holes.

Build a fire around and over the stumps, and they are supposed to burn out clear down to the roots. At least, it wouldn't cost much to try this method.

In the meantime, you could write to the USDA, Washington, D. C., for a copy of Farmers Bulletin No. 1526, "Clearing Land of Brush and Stumps." It is quite helpful.

One suggestion given in the bulletin is to dig down under the middle of the stump and use plenty of old crankcase oil to keep your fire going.

WATCH OUT!

You don't want any undeveloped citrus land—not in the Rio Grande valley, in Florida, or anywhere else.

Not unless you have an endless stream of cash to pour into the project.

We are sorry to report a number of letters to the Service Bureau asking about such an investment. Some farmers have already bought land—raw, unplanted, so-called citrus land, at $400 an acre.

If you have bought this kind of land, get rid of it. If you have not been sucked in yet, don't buy any.

What do you know about citrus growing, water rights, marketing? One Iowa editor reports from Florida that citrus overproduction there this winter brought prices to relatively the same level as if your corn were 15 cents a bushel.

Remember this—if we should ever have to run special, expense-paid tours to bring Texas or Florida farmers to Iowa to buy our corn land, something will be wrong. The same thing is true of Iowa farmers going on trips to those states to buy land.

That extra cash won't actually burn a hole in your pocket. Hang onto it. Invest it closer to home. Spend some of it for better living.

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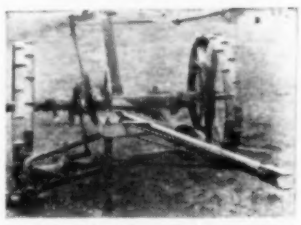

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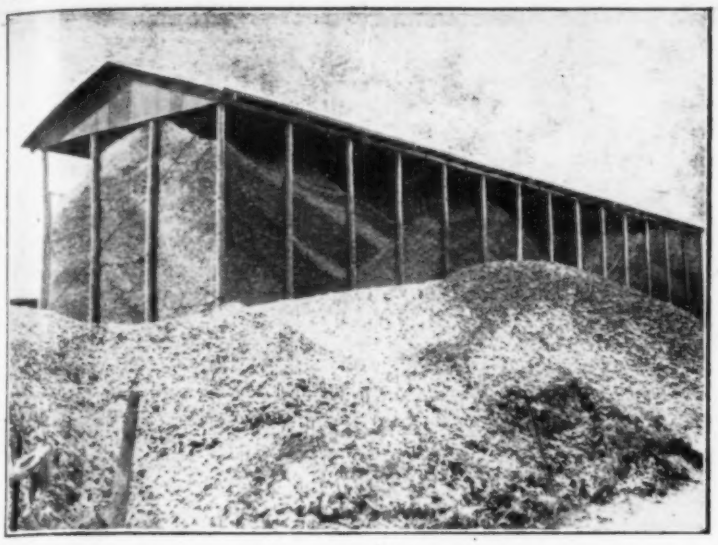


Did You ever see so many corn cobs in one place? This bin in Greene county, Iowa, is 140x30 feet and is 35 feet high. The cobs are held at this point and shipped to the processor as needed.

Cobs

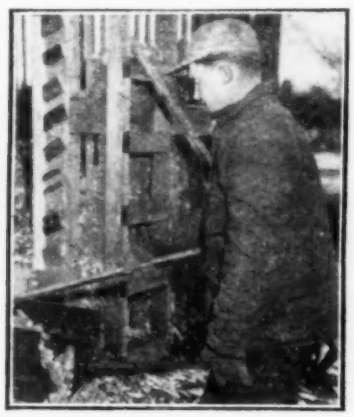
Chemists Can Utilize Them As The Source Of Valuable Products

HAVE you ever been irked at the huge pile of cobs in the lot after you shelled corn? Before the days of tractor manure loaders it was quite a task to haul them to the fields again.

Now, in a few Iowa communities, farmers don't have to worry about hauling cobs. Gradually new uses are being found for what once was a by-product of corn. Cobs are ground at the rail siding or shipped as they come from the sheller.

One of the products extracted from the cobs is furfural, a colorless, oily liquid with a variety of industrial uses.

In Calhoun county, Iowa, Walter Spiess is shown taking corn cobs into a conveyor which will carry the cobs to the hammer mill. From the mill they are blown into boxcars. A car will hold 20 to 30 tons of ground cobs.



John DeBolt (above), Calhoun county, and Eddie Anderson have a contract to haul and grind the cobs before they are loaded. Their truck has a conveyor and an electric motor to speed up in unloading the cobs.

These Men, H. A. Zunkel and Loren Okerblad, work at the huge concentration bin in Greene county, shown at the top of this page. They get the cobs in the boxcars with a blower and a series of conveyors. A two-cylinder diesel engine powers the equipment.

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DES MOINES, IOWA

Some Good Territories Open for Agents

Running-Gear from old manure spreader makes chassis for this feed house at Ward Salisbury's, in Carroll county, Iowa. He also uses it to move litters from farrowing house to pasture.

Disk, Harrow Fall-Plowed Garden

Radishes, Lettuce, and Little Marvel Peas Should Be Planted First, Says Gardener

OLD MAN WINTER is letting loose his grip and turning us over to the more tender mercies of Old Sol. That means it's time for action in the garden.

You have decided on suitable seeds for the early garden—or you should have. The next job is to get the soil ready. Lucky are the ones who plowed their gardens late last fall.

Very late fall plowing has a distinct advantage over earlier fall plowing. Late plowing is more destructive to harmful insects that planned to spend a comfortable winter in the soil.

The upturned soil gets gradual over-winter conditioning by the alternate freezing and thawing, so it needs only a minimum of hand or tool working when gardening time arrives in early April.

Smoothing the surface soil with rake or harrow is often the only preparation needed for early vegetable seeds.

Spring spaded or plowed ground is quite different. It is likely to be sticky and touchy unless carefully and skillfully handled.

I hope your garden was well plowed last fall and well fertilized with a liberal application of natural barnyard fertilizer.

A light application of a complete chemical fertilizer will give good results if soil is fairly well supplied with humus.

Fall-plowed gardens are quickly prepared by double disking. Then smooth with a harrow, mildly weighted for double duty.

Planking will do away with the necessity for hand raking.

Radish and lettuce seed can be broadcast on a small area in order to secure the earliest possible taste of garden goodness.

We always try to get Little Marvel peas into the ground at the same time as radishes and lettuce. We make a deep furrow for the seed, but cover only lightly, to insure prompt germination.

After the plants are one to two inches high, the trench is filled a little at a time with succeeding cultivations. This treatment encourages a strong root system and helps to prevent the weeds from getting a start.

We plant a later variety, such as the Dwarf Telephone, at the same time as the Marvel. Peas like cool weather, and will not thrive in hot weather.

Deep-rooted vegetable plants—such as parsnips, carrots and salsify—do their best in a deeply prepared soil. The seed-bed should be fine and pliable the entire depth of the furrow slice.

Shallow-rooted, leafier plants can get along very well on surface soil.—Victor Felter, Warren County, Iowa.

What To Do About Rusty Water

To the Editor: Is it possible to clean the rust from water? We have a water softener that works by putting salt crystals in the softener. This seems to make the water more rusty. If there is a way to remove the rust, please let me know. —K. L. T., Washington County, Iowa.

There are two possibilities in your case to be considered. The water may have dissolved iron in it as it comes from the well. Or the iron trouble may come from the softener.

Pump a dozen or more buckets of water at the well. Then save a bucketful. If the water has rust in it after standing a few hours, it evidently contains iron impurities.

You will probably have to put in an iron removal softener and filter. The chances are that the firm manufacturing your present softener can change the mineral so as to take out the iron.

If your softener has been in use a good many years, rust in the softener tank might be the cause of the trouble. You would probably have to put in a new tank.—I. W. Dickerson, Agricultural Engineer.

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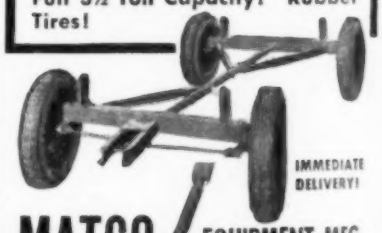

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Questions are being put to A. L. Esplin, animal husbandman of the Colorado State Agricultural College, about stopping the death losses in lambs by the feeding of sulphur. The questioners are: Arthur Behn (left) and Glen Staley (right), both of Franklin county.

Sulphur Cuts Lamb Feeding Losses

Iowa Feeders Hear Results of Colorado Experiment; Discuss Feeding, Grading

DEATH losses in the feed-lot are discussed, as a rule, whenever lamb feeders meet. Lamb Feeders Day at Iowa State College, March 20, was no exception.

"Overeating disease" got special attention. This is sometimes called apoplexy, indigestion and other names. It's often the cause of dead lambs in the feed-lot.

Feeding sulphur with the grain has been tested twice as a remedy for "overeating disease" at the Colorado experiment station. A. L. Esplin, of Colorado State College, reported on the experiments.

"It's the largest, fattest and most vigorous lambs that die," the Iowa feeders were told. "Victims of 'overeating disease' may throw their heads back, rush against a fence, go down and die in a few hours. Some scour before they die."

The sulphur feeding experiment started with 2,000 lambs, divided into lots. Some were fed 2 per cent sulphur in the grain ration of ground corn and barley. Others got no sulphur.

The first year showed an 8 per cent death loss for lambs on self-feeders and no sulphur. With 2 per cent sulphur mixed in grain the death loss was one-tenth as much, or eight-tenths of 1 per cent.

With hand-feeding, the death loss was 6 per cent for lambs that had no sulphur with the grain. Hand-fed lambs that got 2 per cent sulphur had a death loss during the feeding period of only 1 per cent.

While sulphur feeding reduced death losses, it also reduced grain consumption and gains per day. Extra cost of gains in lots where sulphur was fed was from 63 cents to $1.50 per 100 pounds. But profit in feeding was 46 to 68 cents per lamb more with sulphur than without.

Esplin said the reason for lower death losses in lots fed sulphur was unknown. He thinks it possible that reducing palatability of the grain might be the cause. With sulphur in the grain, lambs just don't overeat so much.

Iowa lamb feeders were on hand in good numbers. Some of them were a little skeptical about the sulphur treatment. They want to see the feeding trials repeated.

Sarcoptic Mange? Hog Lice?

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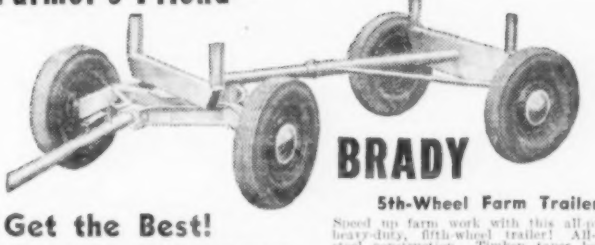

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Excelsior Springs, Mo., April 1.—So successful has a comparatively new, drugless method proven for treating rheumatism and arthritis that an amazing new book will be sent free to any reader of this paper who will write for it.

This book entitled, "Rheumatism," fully explains why drugs and medicines give only temporary relief and fail to remove the causes of the trouble.

The Ball Clinic, Excelsior Springs, Mo., has perfected a system of drugless treatment for rheumatism and arthritis combined with the world famous mineral waters and baths. This new method of treatment is fully described in the book and tells how it may be possible for you to find freedom from rheumatism.

You incur no obligation in sending for this instructive book. It may be the means of saving you years of untold misery. For writing promptly, the company will also include a free copy of the book entitled, "Good Health, Life's Greatest Blessing." Address your letter to The Ball Clinic, Dept. 40, Excelsior Springs, Mo., but be sure to write today.

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Our Ads Are News!

When the Little Pigs Were "Murdered"

"Wallaces of Iowa" Is a New Book Which Tells a Lot About Iowa Farm History, Too

Russell Lord, in "The Wallaces of Iowa" (Houghton Mifflin, $5), has told mostly about Henry A. Wallace and his career at Washington. But there is a good deal, too, about farm programs, and farm history clear back to the Civil war.

"Who killed the little pigs?" is a question that still is asked when some city folks talk about the AAA program.

Any city people who read Lord's book will find this account:

CORN and hog farmer representatives of 10 states, meeting at Des Moines on July 18 (1933), named an emergency committee of 25, with Earl Smith, of the Farm Bureau, as president and Ralph H. Moyer, an Iowa farmer, as secretary.

The committee met at the Union League Club, in Chicago, July 24, and unanimously agreed to urge AAA to contract with the packers to purchase and process pigs weighing from 50 to 110 pounds, the product to be disposed of to the Red Cross and other relief agencies.

Earl Smith and a sub-committee of four, including Ed O'Neal, of Alabama, came on for a Washington meeting, August 10, at the Willard Hotel.

There, representatives of not only the Farm Bureau, but of the Farmers Union, Grange, Corn Belt Meat Producers and the Central Cooperative Exchange, strongly endorsed the program, and the department accepted it and put it into action.

"The result," wrote a friendly commentator, Lowell Mellett, having unearthed these facts when the ghosts of the little pigs were brought forth to do a political dance anew in the campaign of 1944, "was that six million surplus pigs were turned into 100 million pounds of pork, and the pork was distributed by the government to feed the hungry. . . .

"If these pigs had been held until the usual marketing age, they would have eaten about 75 million bushels of corn. That would have produced a bad situation the following year, since the 1934 corn crop, due to the drought, was about a million bushels short."

In fine, farm organization people thought up this harsh but perfectly rational plan at the moment.

They urged slaughtering a part of the pig crop a little ahead of time that year, and feeding the pork to the needy.

Wallace accepted their plan, put it into effect, and has been taking the rap for it ever since with no attempt to shift the responsibility.

"The plowing under of 10 million acres of cotton in August, 1933, and the slaughter of six million little pigs in September, 1933," he wrote in 1934, "were not acts of idealism in any sane society.

"They were emergency acts made necessary by the almost insane lack of world statesmanship during 1920 to 1932. . . ."

Russell Lord gives background and history on a great many controversial points like these. Corn belt farmers who worked in the AAA in the days of the early New Deal will find themselves reliving a lot of history.

The book brings Henry A. Wallace's career up to date, closing with his move to the New Republic. It goes all the way back to "Uncle Henry" and his boyhood on a Pennsylvania farm.

Were you at the Des Moines Coliseum in the fall of 1933? Do you remember what Henry A.

Wallace —**"We must learn to live with abundance."**

Wallace said when he laid aside his manuscript and added slowly and wth emphasis:

"Only the merest quarter-turn of the human heart withholds us from a balanced and shared abundance beyond our fondest dreams. It is mean and niggardly in a land so rich and wide to heap up surpluses next door to bitter hunger. It is bad management. We must learn how to live with abundance. . . ."

That is in the book, too.

The record is detailed on the farm programs of 1933 to 1940.

The book pictures the 1944 presidential convention when Wallace looked hostile southern delegates in the eye and said:

"In a political, educational and economic sense there must be no inferior races. The poll tax must go. Equal educational opportunities must come."

In 1945, Wallace talked to another hostile audience, one in New York City, where, to the hisses of Russian supporters, he said:

"The Russians have no more business in stirring up native Communists to political activity in western Europe, Latin America and the United States than we have in interfering in the politics of eastern Europe and Russia."

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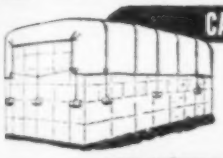

Protect crops and equipment with Boyt Tarpaulins. Rugged. Heavy canvas. Wide range of sizes. All-purpose.

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Sport jackets and trousers. Duffel bags. Rubber waders. Game bags. Saddles. Bridles. Tents. Raincoats.

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Boyt Harness—"strongest work harness in America." . . . *Boyt Collars*, with new cushion principle, stop sore shoulders.

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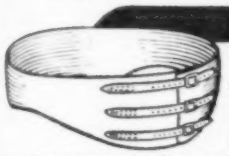

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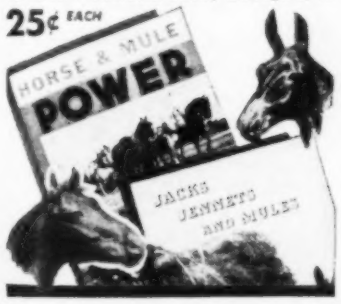

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147

No longer need haying be a back-breaking job. One man with a two-plow tractor or jeep handles this marvelous new Gehl Forage Harvester. It picks up and chops **Dry Hay**...or **Grass Silage,** from windrow and blows it into wagon box. Picks up and cuts combined straw which saves storage and makes better bedding. With special attachment, cuts and chops **Standing Corn** into wagon box. Separate blower elevates forage into silo or mow. Has that famous Gehl cutting mechanism, noted for fast, fine, clean cutting. Thoroughly field proven. Write for literature and name of nearest dealer.

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When writing to advertisers, will you please mention this paper.

You May look in vain for the pump on some modern farms. This structure houses motor and pressure tank for the water system on Earnest Carlson's Greene county, Iowa, farm.

Check Tiling After Rains

POOR drainage reduces crops, as every level-land or tight-soil farmer knows. In one test, it was found that corn crops were definitely better right over tile line as compared with 50 feet away.

Spring is the time to check the tile system on your farm. Note the wet spots when spring rains come. If possible, mark the location of the tile line.

Then you will have information that will help when tile repairs or additions are in order.

If there's a wet spot where none appeared before, the tile may be clogged. Quick opening of clogged tile saves labor and expense.

The checking of your tile system might well continue thru the crop season. Note whether crops of oats and corn are better over the tile lines. Then figure whether the difference will pay for more tile.

Surface drainage is being tried as a help in draining pot-holes. This may be a good practice for some farms. Ditches to drain pot-holes can be made with plows.

Surface drainage doesn't take the place of tile. It just helps by getting the surplus water off in a hurry.

Flies—Stay Away From Iowa!

Iowa is going to be rough on flies this summer!

Organization for the state-wide fly control campaign in Iowa is proceeding very rapidly. The state departments of agriculture and health, and the extension service, are sponsoring the program.

To date, according to the extension service, county organization meetings have been held in about three-fourths of the counties.

District sanitary engineers from the State Department of Health are working with extension service representatives in setting up the educational phase of the battle. Sanitation plus applications of DDT in its various forms are the main weapons.

Future Farmer chapters and 4-H clubs are going into action to locate enough available spray equipment to get the DDT applied.

Next step in the state-wide drive to eliminate flies will be a series of district schools. They will be followed by farm demonstrations in each county.

THE 1947 KEWANEE is first in farm preference and first in sales records thruout the entire Corn Belt. Out-performs any harrow ever built for *high-speed* power farming. Extra heavy and strong for *high speeds* and hard usage. Gets right down to the job and does effective harrowing even in cloddy ground.

The KEWANEE Handy Folding Harrow is new and *different*. Its features are original, **Patented** and exclusive. No other tillage tool is so profitable in time-saving, work-saving and crop-producing results.

Only KEWANEE has long **Welded Teeth** that take a real "bite" of the soil. Streamlined and self clearing. No clamps, bolts or extended teeth to gather trash. No delays or impaired work. Pays for itself and more the first year.

More teeth per section, diamond-shaped and dagger-pointed. Cuts every 1½ inches. *Finer pulverizing, better seedbeds—bigger crops!* **Patented Short-Center** tractor hitch.

Amazing Folding Feature! Two outer sections fold to go thru farm gates. Easy to transport. Easy to store. Farmers pronounce it the greatest improvement in all harrow history!

See your KEWANEE Dealer *today*. Make sure of owning America's No. 1 Harrow this year. Write for Free Folder. **Kewanee Machinery & Conveyor Co., Kewanee, Illinois.**

Kewanee All-Purpose Elevator

Engineered to handle big loads with the speed that's needed in these fast moving days of high-speed tractors, 2-row pickers and combines.

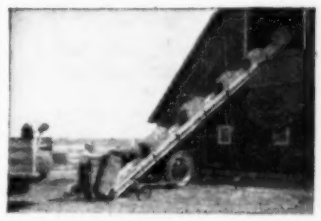
Extra Capacity, Extra Strength, Extra Value. Priced no higher than other leading makes of farm elevators.

Handles ear corn, small grain, baled hay, chopped feeds, soy beans and other farm products.

Portable and Bucket models. For any kind of power. All galvanized steel construction. Many exclusive features insure years of trouble-free service.

Plan now for 1947 and the years to come. Store your crops the fast, easy modern way.

Investigate the KEWANEE *today*.



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Kewanee Handy Harrows Farm Elevators

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Stan-hoist

For Complete Year Around Farm Hoisting Operation

No strain or stress in this all-purpose hoist. Compact, portable and designed for long service the STAN-HOIST will dump your corn, silage, chopped hay, etc., with ease. No complicated mechanical operation in this hydraulic hoist. Operates by electric, tractor or gasoline engine power. Use the "*even*" lift of this positive hydraulic action hoist.

Portable Combination Speed Jack and Hoist

NO BRAKE TO SET NO CLUTCH TO SLIP

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FORT DODGE, IOWA

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The money you make this year depends on the crops you harvest to sell or feed. If hail strikes, let Square Deal policy stand between you and crippling loss. See your Square Deal agent today or write to us for his name.

SQUARE DEAL INSURANCE COMPANY
(MUTUAL) DES MOINES 8, IOWA

Homemaking Department

Edited by ZOE MURPHY

More Time For Baby

HOW to find time for everything is the $64 question to a new mother. First and foremost, she wants to spend time with the new baby—to enjoy his company as well as to give him the best of care and training.

Experienced mothers of her acquaintance invariably say: "Do take time to have fun with the baby. He will grow up so fast!"

But mothers are wives also, and they want to accomplish their regular duties along with caring for the youngster.

At first, it seems that there is nothing to leave out, and each new mother must face the problem squarely for herself. It's a matter of her own health and disposition and it may be a matter of family happiness.

Most mothers soon decide that some things are no longer as important as they used to seem. They did a lot of fussing about numerous things which were not really necessary. But the youngster comes first now, and the mother is the first to admit it. She finds that she must plan her day according to the baby's schedule. If time is short, some things will have to wait.

It's no secret that Daddy is the biggest help of all. He's willing, and he's awfully smart about formulas, burping, etc. If you don't take advantage of his good humor, he will enjoy the opportunity of doing things for the young sprout.

It's just part of baby nature to save his cute ways for the times that someone is caring for him. He seldom performs when everyone is gathered around waiting to be entertained.

Maybe diapering the baby is the one thing which Daddy just can't stand, but he'll gladly reward you for not asking that unless it is really urgent. Lots of strong men can whisk thru a washing in jig time. And having diapers flapping in the breeze is a life-saver for Mother.

Lots of men can easily whisk out a diaper washing.

Many times the baby can go along with mother.

Your doctor can tell you a good book on child care.

And grandmothers! What would we do without them? They quietly take home a basket of ironing, or happen to have an extra pie when we stop by to ask their advice. I guess they never get enough credit. Maybe when we become grandmothers we'll find that it is a satisfaction to lend a helping hand.

If there is one thing that Mother has to learn for sure it is to do things in small blocks of time. Certainly there is never a day without a lot of interruptions.

Before Junior, I could calmly decide not to start washing the windows because it was too near time to get dinner and I wouldn't be able to finish. Now I start if it means merely getting all the materials together and setting up the step-ladder. Usually there is time to wash several windows.

After dinner, when the task is resumed, it is already nearly one-third done. This trick of doing things with small bits of time accomplishes so much that I wonder why I never tried it before.

Considering the first things first, if I attack the living room, put things back in place and dust, half an hour will make all the difference in the world. Then next the jacket is mended.

There are probably a lot of interruptions and the floor doesn't get scrubbed till later in the day. The cake is merely a dream, and we end up by eating canned fruit for dessert.

But Daddy, the practical soul, is much happier to find his jacket done the same day he asked for repairs than he would have been with a dream dessert.

Our graduating class in eighth grade had a motto, and now I find that it works: "Use your head to save your heels."

Sometimes I think that the extra 10 minutes after the alarm goes off in the morning, when I'm assembling my thoughts for the day, accomplishes more than any other 10 minutes of the whole day.

If the weather affects the tasks for the day, it may be best to make a change in some plans. It helps to have the weather on your side. And sometimes a nice, rainy day gives Daddy a chance to help for an hour.

A little planning ahead about meals may tell me to cook some macaroni while I prepare breakfast, so that macaroni and cheese is a quicky for lunch; put raisins to soak, or hard-cook eggs for a salad. Sometimes just a little advance work saves a lot of time at the last minute.

The kind of clothing the family buys (if we ever again get the chance at good, honest materials which wash and wear and do not shrink or fade) is more of a time-saver than one might imagine.

The more things that have to be babied, washed by hand, ironed while wet, rolled in a towel, kept from touching other things, and all that, the more time it takes to do the laundering.

Here's a diaper plan that works for one mother. She uses diaper liners torn from worn-out sheets, so there is seldom a soiled diaper. As soon as the change is made, the wet diaper goes into a pail to soak. About once a day she wrings these diapers and hangs them in the basement to dry till wash-day.

On wash-day she uses warm water and plenty of suds, and whisks the things thru the machine in short order. Barely warm water and warm rinse water makes it possible to wash babies' things without spoiling them—sweaters and blankets receive individual attention.

Smaller washings means that everything gets clean and there is room for drying in the basement if the weather isn't right.

How can a book on child care save time? Mine has saved a lot. With an authoritative book, I can read ahead and know what to expect as baby grows. Your doctor will tell you if the book you are considering is good. You can plan equipment and clothing which the baby should have and know when to begin new training.

If your doctor is as far away as ours, you'll understand why we can't phone him with each new problem. So we try to ask all our questions on routine visits. Of course, if the baby were sick, we'd want the doctor. But when he is well and happy, we try to avoid having to take a half-day off for any besides the regular visits.

In fact, things which keep the baby well are first with parents. What if it takes time to give him an airing each day? If it helps to prevent colds, then it's worth the time.

There are many times when the baby can be taken along in the stroller or carriage while Mother is outside choring or gardening. He likes to be outside and always is thrilled to "be in on things."

Each child has a different personality, but it is a lucky child whose parents insist on permitting him to be free to entertain himself most of the time. A lot of companionship is possible while the baby is in his play pen or play corner and Mother is working nearby. It is more enjoyable to both than if she has to sit and hold him and entertain him.

As he grows, a place to play without a flood of "No, no!" is a relief to both.

Baby has a right to have some place where he can crawl and pull himself up and touch things. And if he has such a place, it's easier for him to learn not to touch certain things in other places.

Daddy generally gets his jacket mended in due time.

Time spent in training is time saved in the long run. It may seem quicker to do things for him rather than letting him do them for himself, but each of his new accomplishments makes him that much more independent.

It's a smart trick to find a baby-sitter as soon as possible, so that mother can get away occasionally. Getting away is a good beauty treatment and rest cure. She is thrilled to have a short rest from responsibility and happy to come back and find a well-cared for baby.—Mary Bullard, Story County, Iowa.

COUNTRY AIR

By ELIZABETH C. WHERRY

CLUMSY clots of March snow flakes are fluttering around outside, not knowing just whether to light or to melt. They're a bit self-conscious — what with grass showing green around the protecting rim of February's grimy snowdrifts and the thermometer acting uppity all day long.

* * *

I've just been gazing out the window at the plot where I planted perennials last year. Rented place or no, I just can't keep from setting out roots that last from one year to another. This year, there shall be a border of high shrubs started behind this plot.

* * *

There's an old-fashioned rose that could be subdivided, and a healthy rugosa that needs division, and I can bring more shrubs from the border at the farm. It's an awful temptation to buy fancy lilacs—I have always wanted some.

* * *

But I'm badgered by one of my old soft spots again—I can't bear to destroy self-seedlings. Last year this little plot was a gorgeous riot of color during poppy season, and annual gypsophila was all over everywhere.

* * *

The other day we lunched with Gretchen Harschbarger, and saw the colored slides that her mother, Helen Fischer, had taken in her own garden. Pictures to drive one mad! For years, Helen has experimented and studied and loved and become acquainted with her flowers.

* * *

She has learned to grow her flower arrangements with Mother Earth for a holder, her knowledge of height and line for design, and Mother Nature to inject the surprises. Then, with the infinite care and patience of the photographer-artist, she has taken her lovely pictures.

* * *

It's been a long time since I've found a strong, primitive book of the soil, that I've wanted to talk over with you, but at last I have run across one that smacks of the greatness of Undset's "Kristen" or Hamsun's "Growth of the Soil."

* * *

This book is Haldor Laxness' "Independent People" — the story of an Iceland crofter and the primitive life led by such a one and his family up in the land of the midnight sun and the age-long winters.

* * *

While it is stark, primitive stuff, it rocks with humor in many a place. The author slyly slips in ridiculous situations with a Shakespearean eye for comedy relief. The imaginary games that Nonni played with the crude kitchenware while awaiting the late winter morning to break are an exploration into childhood's most mystical realms.

* * *

The games he played with the sheep's horns for sheep and jaw bones for cows, as he traveled over mountains and ravines in the rude and sordid room of his home are heartbreakingly real.

* * *

Bjartur's selfish struggles for independence are so humanly basic that one wonders how much longer the human race must travel the road of moral evolution before nation can get along with nation.

* * *

The effect of the cow upon the family life is one of the most touching phases of the story. It recalled what I once heard Mary Schwarz Rose say: "Cow keeping nations are happiest."

* * *

There are a few passages that Great Aunt Abbie won't approve, but they are not dragged in for "box office." They're the natural outgrowth of circumstances and human emotions.

* * *

The book committee of our new community library is about to make its first purchases. No doubt the most reading for the most people is a good precept for libraries to which a whole community has contributed.

* * *

I have long since ceased to say: "You'll love this book." I have been fooled too many times. I may say: "I like it," or "People who like some of the same books you have liked have found it interesting."

* * *

Tough and leathery tho my neck may be, it can find itself a long way in the wrong direction when books are being recommended.

HOME BUILDING SERVICE

Closets For Convenience ..... **25 cents**
Suggestions for building new closets and for rebuilding old ones.

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Suggestions for planning your kitchen.

One-Story Farmhouse Plans and Specifications **$1.00**
A house planned for farm people.

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Address your letters to the Home Building Service, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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—AND IT COSTS YOU LESS THAN A PENNY A CUP

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Farm folks like coffee with lots of fine, rich flavor and plenty of body. That's why Butter-Nut is the great farm favorite. It has the world's best flavor because it contains the world's best coffees, specially selected for the Butter-Nut blend. Absolutely NO second choice coffee ever goes into Butter-Nut.

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THE FARM FAVORITE!

Dresses For Spring and Summer

No. 8013—For sports or for just tanning, wear this easy-to-make sun dress. The design provides for a pert bolero for town wear. Comes in sizes 12, 14, 16, 18 and 20.

No. 8148—A clever two-piecer designed with the popular diagonal closing, short-cropped sleeves This is a honey of an outfit. It comes in sizes 11, 12, 13, 14 and 16.

No. 1527 — Here is a pretty yoked dress, combining two harmonizing fabrics. Waistline darts insure a neat fit. Comes in sizes 12, 14, 16, 18, 20, 40 and 42.

No. 8142—A youthful and completely captivating dress to accent a lovely figure. Trim with novelty buttons. Comes in sizes 11, 12, 13, 14, 16 and 18.

No. 8152—Scallops trim side-swept closing and one hip of this all-occasion frock. Narrow bow-tied belt. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 8141—Sturdy play clothes for small fry. Wing-sleeved dress, play suit and overalls for brother or sister. Sizes 2, 3, 4, 5, 6, 8, 10 years.

No. 1621—This adorable button-back frock is nice for dress-up, or without sleeves it's a gay pinafore. Sizes 3, 4, 5, 6, 7 and 8 years.

No. 1616—Afternoon frock for slightly larger figures. Sizes 36, 38, 40, 42, 44, 46, 48, 50 and 52.

No. 1617—A brief-sleeved shirt-waister in a wide range of sizes—14, 16, 18, 20, 40, 42, 44, 46.

No. 8145—Use a crisp cotton for this simple, delightfully cool house-dress. Ample pockets. Sizes 34, 36, 38, 40, 42, 44, 46 and 48.

Patterns may be secured for 20c each, in coin or stamps (coin preferred). Send an additional 25c for the SPRING issue of FASHION, containing specially designed fashions, personality charts, etc., with a free pattern printed inside the book. Send all orders to Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. Allow for possible delays in mailing.

How Sluggish Folks Get Happy Relief

WHEN CONSTIPATION makes you feel punk as the dickens, brings on stomach upset, sour taste, gassy discomfort, take Dr. Caldwell's famous medicine to quickly pull the trigger on lazy "innards", and help you feel bright and chipper again.

DR. CALDWELL'S is the wonderful senna laxative contained in good old Syrup Pepsin to make it so easy to take.

MANY DOCTORS use pepsin preparations in prescriptions to make the medicine more palatable and agreeable to take. So be sure your laxative is contained in Syrup Pepsin.

INSIST ON DR. CALDWELL'S—the favorite of millions for 50 years, and feel that wholesome relief from constipation. Even finicky children love it.

CAUTION: Use only as directed.

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☐ BOWKNOT PATTERN
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Stamped Scarf to Match, 16½x40 white art cloth, $1.00
300 yard Ball mercerized Crochet Thread Size 30 and 20 at 13c a ball
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36 years' experience in the treatment of Arthritis, Neuritis, Sciatica, Lumbago, and Gout, Obesity, Hypertension (High Blood Pressure), Hypotension (Low Blood Pressure). Excellent train and bus service, via N. W. R. R. and Greyhound bus to Shakopee, Minn.; M. & St. L. R. R. to Chaska, Minn.; Milwaukee R. R. to Glencoe, Minn.; Greyhound bus Glencoe to Shakopee. Write for Booklet C.

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PROFESSIONAL 7" x 5" ENLARGEMENT 3c

Sensational introductory offer! Send snapshot or negative, this ad, and 3c. We'll send you a beautiful 7"x5" enlargement! Or, Kodak roll developed with 16 guaranteed deckled-edge fade-proof prints or 8 double-size prints, 25c! Special! From your negatives, 16 regular-size or 8 DOUBLE-SIZE reprints, 25c! Satisfaction Guaranteed. Immediate Service. No delay. Write for FREE Mailers. Free premium offers.
AMERICAN STUDIOS, Dept. 342, LaCrosse, Wis.

TOMATO PLANTS

$2.50 per 1000. Varieties: Earliana, Rutgers and Marglobe. Nice large healthy plants shipped with roots wrapped in damp moss. Satisfaction guaranteed. Ready now.
Farmers Plant Co., Tifton, Ga.

8 EXPOSURE ROLLS DEVELOPED

One print each and one enlargement coupon 25c. Two each and coupon 35c. Three each and coupon 40c. Reprints 3c.
FRED I. EASTMAN BODE, IOWA

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PHOTO FINISHING—Roll developed, two prints each exposure 25c. Additional reprints 3c each. SKRUDLAND, 6444 L Diversey, Chicago

QUILTING BY MACHINE — $5.00
MRS. HARRY CLARK, R. 6, Des Moines, Iowa

COOKERY CORNER

Creole Macaroni and Sausage

2 cups of elbow or shell macaroni, uncooked
1 pound of pork sausage
¼ cup of chopped onion
3 tablespoons of flour
2½ cups of cooked tomatoes
½ teaspoon of salt
⅛ teaspoon of pepper
½ teaspoon of mustard
½ teaspoon of Worcestershire sauce
½ cup of diced green pepper

Cook macaroni in boiled salted water 10 to 15 minutes. Drain. Make small patties out of one-half pound of bulk sausage. Fry the remaining half pound with onions. Blend in flour. Add tomatoes and stir until thick. Add seasonings and cooked macaroni. Cover and let simmer 20 minutes or until the flavors are well blended. The last five minutes of cooking time, add green pepper. Serve on platter with sausage cakes that have been fried slowly for 12 to 15 minutes, pouring off fat as it accumulates. Serves five to six.—Mrs. R. L. Reese, Holt County, Nebraska.

Rinktum Ditty

1 small onion, chopped fine
1 tablespoon of butter
2 cups of cooked tomatoes
1 teaspoon of salt
¼ teaspoon of pepper
2 teaspoons of sugar
½ pound of grated cheese
1 egg, beaten well

Cook onion until tender. Add tomatoes, salt, pepper and sugar, and heat. Add cheese and cook until melted. Stir constantly, and cook for about three minutes. Serve on buttered toast. Serves four.—Mrs. Roy Lairmore, Gage County, Nebraska.

Lemon Delight

Beat till frothy four egg whites and one-half teaspoon of cream of tartar. Gradually add one cup of sugar and a pinch of salt and beat thoroly until sugar is dissolved. Put in a 6x10 cake pan and bake one hour—275 degrees for 20 minutes and 30 degrees for 40 minutes. Cool. Beat four egg yolks until light and thick. Add one-half cup of sugar, a pinch of salt, three tablespoons of lemon juice and two teaspoons of grated lemon rind. Cook in double boiler until thick. Cool. Beat one cup of cream stiff. Spread half over the cooled meringue. Then carefully spread filling: then rest of cream over the top. Let stand 12 hourus in a cold place. Cut in squares and serve.—Mrs. G. R. Cass, Sac County, Iowa.

Vegetable Rice

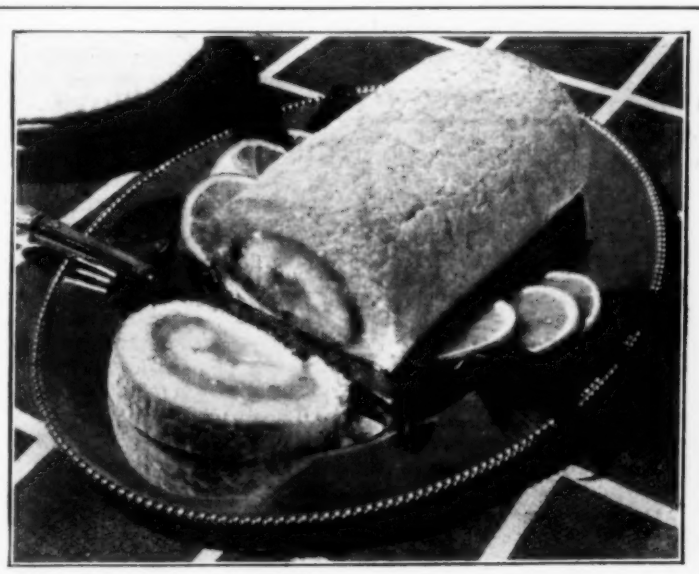
2 cups of browned hamburger
¾ cup of cooked carrots (diced)
1 cup of celery (cooked and diced)
2 cups of cooked potatoes (diced)
½ cup of raisins
1 cup of cooked rice

Put carrots in bottom of casserole, then celery, potatoes, meat and raisins, then rice. Pour juices of meat and vegetables over all. Salt to taste. Bake for one hour. A different rice dish.—Mrs. R. L. Selk, Tama County, Iowa.

Filling For Florida Roll

1¼ cups of canned orange juice
1 egg yolk, slightly beaten
½ cup of sugar
3 tablespoons of cornstarch
2 tablespoons of butter
Dash of salt

Add one-fourth cup of canned orange juice to the beaten egg yolk; add sugar and cornstarch and mix thoroly. Heat remaining orange juice in top part of double boiler; add to egg mixture and return to double boiler. Cook, stirring constantly until thickened; cover and cook five minutes longer. Remove from heat, add butter and salt, and cool. Makes enough filling for cake roll 15x10 inches.



You'll Like This Florida Roll

3 eggs
1 cup of sugar
6 tablespoons of canned orange juice
1 cup of sifted cake flour
1½ teaspoons of combination baking powder
¼ teaspoon of salt
Confectioner's sugar

Beat eggs until light and lemon-colored; add sugar gradually, beating until mixture is very thick. Add orange juice and mix till blended. Sift together flour, baking powder and salt; add to mixture, mixing only enough to blend smoothly. Line a shallow pan, 10x15 inches, with waxed paper, having the paper extend an inch beyond the edge of the pan. Pour batter into pan and bake in a 375-degree oven 20 minutes. Sift confectioner's sugar on a piece of brown wrapping paper. Turn cake out on this and quickly remove waxed paper. Spread with orange filling (see recipe above) and roll up like a jelly roll. Makes 10 one-inch slices.

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On 'CERTAIN DAYS' Of Month?
This great medicine is *famous* to relieve painful distress and tired, nervous, irritable feelings, of such days — when due to female functional monthly disturbances!

LYDIA E. PINKHAM'S VEGETABLE COMPOUND

—Our Ads Are News—

This attractive farm home in Benton county, Iowa, has an open expanse of lawn which leads to the well-planned entrance and foundation plantings. Between the lawn and the driveway a low hedge has been cut thru by an opening to the front door.

More Time To Work

More People See the Outside of Your Home Than See the Inside

THE last few years you could neglect the front yard and the flower garden and not have a twinge of conscience. In fact, it was almost a patriotic thing to do. For all of the time and energy and strength of the farm family had to go into the production of farm crops to feed an army and a starving world.

So there has been no criticism if the trees in the side yard needed pruning or if the lawn had great bare spots on it, or if the hedges needed to be pruned. Everybody else's yard has looked more or less the same as yours.

But this year we hope that there will be time to get out the pruning shears and get to work on that hedge.

A few hours of work—if the men can be persuaded to help—will get the weeds out of the perennials and a lot of work done on the lawn.

We hope that this year we will have a few more hours to live with our homes and flowers and yards than we have had for a long time.

Now, with the accent put back on living, let's make this a shrub-planting year. More people see the outside of our homes than ever get a look inside. So we who take pride in our farm homes are compelled to admit that landscaping is important.

A smooth sweep of lawn is a necessary setting for a home on the farm. Without, we hope, any flower beds out in the middle to entangle the eye. That detracts from the house, which should be the center of interest.

The advent of the power mower now makes lawn upkeep less strenuous. No need for chickens to pasture it. They should be kept in their own yard.

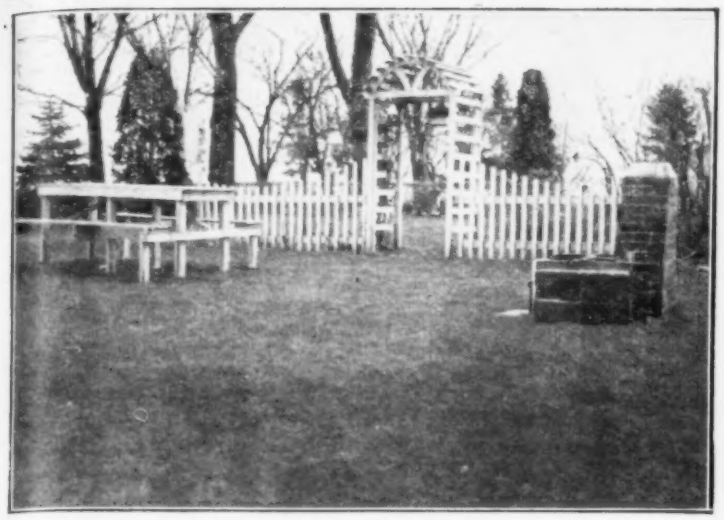
Trees, along a lane, or at the outside edges of the lawn, add interest. Elms, hard maples, or evergreens, perhaps. Let us hope they are not box-elders or cottonwoods.

They should be spaced apart at the front enough to allow a passer-by an unobstructed view. Shrub borders and trees at each side are good. Then the vista breaks upon the traveler's sight all at once, as he passes them.

Shrubbery has three purposes: Foundation plantings, to make the house and grounds appear to be long to each other; border plantings, sometimes called the walls of the outdoor living room; hedges, or living fences.

Dwarf evergreens (like certain species of arbor vitae, juniper and

The farm home of Mr. and Mrs. Will Eno, of Cerro Gordo county, Iowa, has well-planned and effective entrance and foundation plantings. They have used both the dwarf and the taller evergreen type of planting.



A picket fence is both attractive and useful. Here on the D. C. Marsh farm, in Butler county, Iowa, a picket fence has been used to give privacy to the fireplace and picnic table area. The archway entrance, flanked with shrubbery, makes a pleasant break.

On The Front Yard

Lawn, Trees and Shrubs Have a Place in a Well Planned Yard

pine) and deciduous shrubs all have their points. In winter, the latter alone seem plenty bare.

Perhaps a mixture is the happy solution, especially for foundation plantings. Evergreens are more expensive and harder to start.

Attention should focus on the doorstep or entrance group. This calls for taller plants. Perhaps a columnar juniper at each side—or rounding bridal wreath.

Lower shrubs at the indentations of the building will tend to soften its sharp angles.

But don't set a continuous band of shrubbery all around the house. That will make it appear as if the house is supported by the shrubbery, and in windy Iowa we need more solid support than that.

A common mistake is to set the shrubs too close to each other and too close to the house. Even low-growing shrubs will spread over three or four feet, and taller ones, like the lilac or honeysuckle, 10 feet or more.

And don't choose shrubs—especially around foundations that will grow too tall. Check descriptions for height when choosing the plants for each purpose.

Beneath windows, still lower plants (like spirea anthony waterer) may be used.

Border plantings may use groups of taller shrubs, like mock orange or high-bush cranberry, with lower ones, such as red barberry and rugosa roses and snowberry, in front of or between them. For full season attractiveness, study to get a succession of flowering.

Sometimes, one likes to screen off a section of the back lawn for privacy. Here a picnic table and fireplace may be set. A picket fence with an archway entrance, which may be flanked with shrubbery and vines, may achieve this effect.

Often a picket fence is practical to divide backyard from barnlot and keep out unwelcome livestock. But the matter of fence between lawn and road needs to be considered carefully. A low hedge often is preferable to an ornamental fence.

Tall pickets in front of a house are always doubtful from an artistic standpoint. Sometimes a low-cut fence, to enclose a small front lawn, may be effective, if it does not shut out the view of the house plantings.

Specimen trees may be planted in corners of the lawn—perhaps weeping willow, or Colorado blue spruce, or tall shrubs, like tamarix. They are very attractive, even when small.

The plan should take into consideration the effect when they get their full growth, also.

Handsome Belts Made at Home

HIGH, wide and handsome is the trend in belts this year. Many fancy belts are selling at fancy prices, but any good seamstress can make attractive belts at home at little cost.

Fashion magazines are showing a variety of belt ideas this year, and stores are offering such accessories as buckles of wood, plastic or metal, or buckle and button molds for covering with fabric or leather.

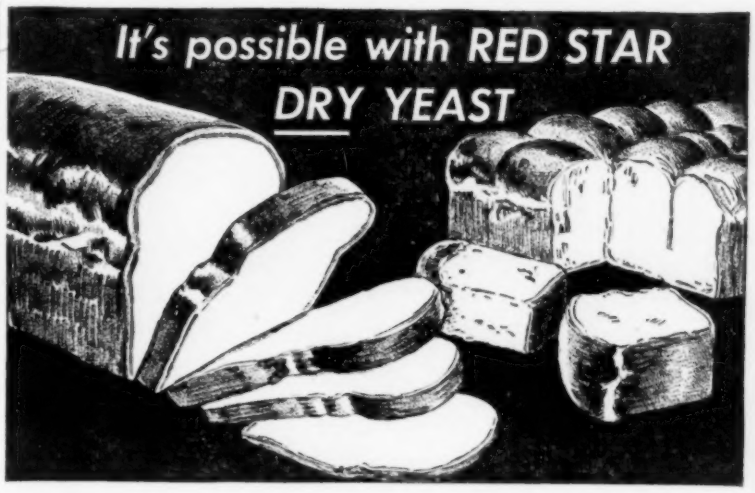
Nailhead sets for decorative belts are also for sale this year. Leather for belts may be salvaged from old handbags, leather coats or even from men's braided suspenders.

Before making or buying a belt, consider the shape and size that will become the figure, the specialists say. Wide belts are becoming to tall, slim, long-waisted figures, but narrower belts are better for the short or chunky.

Contrasting colors draw attention to the waistline. Unless the waist is slim and well-proportioned, harmonizing colors are better than striking colors.

Belts may be slanted to draw attention to the best features of the figure. For example, a belt that is wider in back than in front will emphasize trim hips, and a big buckle or wide applique in front will be attractive on a figure flat and trim in front.

Time on Your Hands?



Would you like to have more spare time—to spend with your children, attend meetings or for your hobbies?

Well, just try using Red Star *Active* Dry Yeast the next time you bake. You'll find that this new, different yeast goes to work for you the instant it's placed in warm water—reducing rising time, making kneading easier and saving precious minutes. You'll be delighted, too, at the improved flavor, texture and crust color of your bread and rolls.

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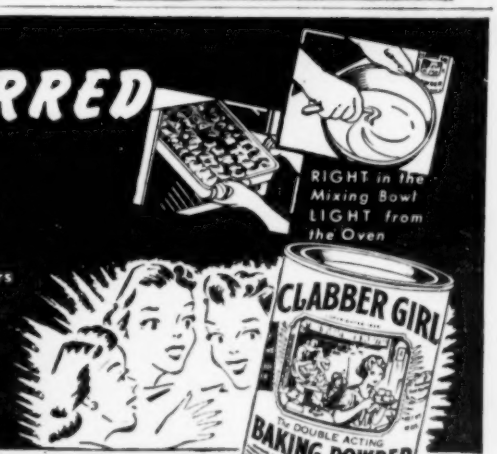

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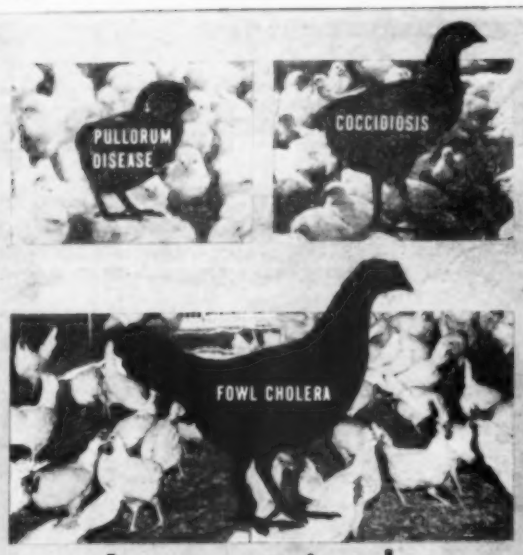

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The advantage of Sulfamethazine over other sulfa drugs used in veterinary medicine is that it is effective in smaller doses for a longer period. It is recommended that SULMET Brand of Sulfamethazine *Lederle* be administered to poultry by mixing in the mash. Full directions with each package. In treating acute fowl cholera additional sanitary and immunizing measures are essential. If your dealer cannot supply you, please send us his name.

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GRADE	BREEDS	100	300	500
Quality Mating	S. C. White Leghorns	$11.45	$34.35	$55.75
	S. C. Brown Leghorns	21.45	64.35	105.75
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	Cockerels in above Breeds			
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	Pullets in above Breeds	15.90	47.70	78.00
	Cockerels in above Breeds	13.45	40.35	65.75
Royal Mating	S. C. White Leghorns	$15.45	$46.35	$75.75
	S. C. Brown Leghorns	25.45	76.35	125.75
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	Cockerels in above Breeds			
	Wh., Barred, Buff Rocks, S. C. Reds, Wh. Wyan., Buff Orp., New Hamp.	$15.45	$46.35	$75.75
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Add 1c per chick if ordered in lots of less than 100.

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or send postal card for FREE BOOK. TERMS—Send $1.00 per 100 chicks with order, balance to be paid in 10 days before delivery—or send cash for immediate shipment. No C.O.D. shipments, nor less than 25 chicks of one variety. We guarantee 100 per cent live delivery . . . and 95 per cent accuracy in sexed chicks.

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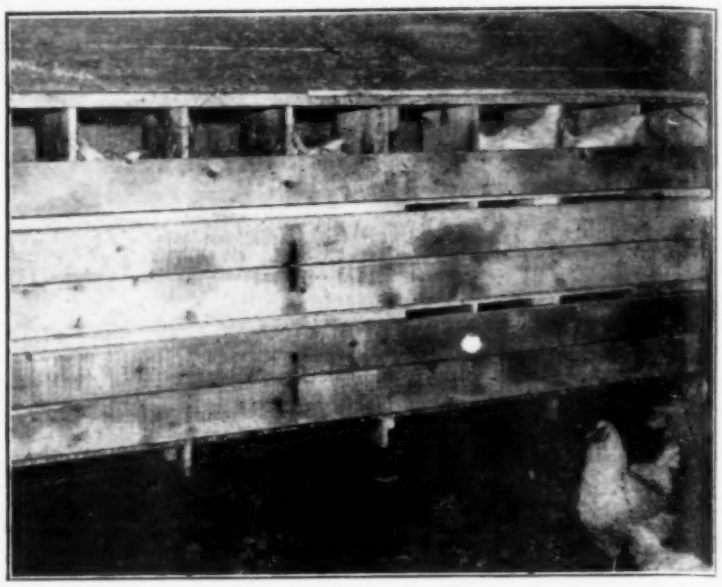


Dark Nests are liked best by layers. So Earnest Carlson, of Greene county, Iowa, uses system shown here. Hens enter nests from wall side. Hinged boards on front swing down for egg gathering.

Plans on Late Pullets

May Chicks Will Require Change in Program

To the Editor: For the past six months I have been promising myself and my family that I would take a one-year vacation from the chicken business.

We've had illness in our family over a period of several years. So eliminating the poultry for a while seemed to be the simplest way to save a lot of work.

But as chick-time drew near, I found myself making the usual plans for the usual number of chickens. Necessary to my own peace of mind, I guess.

I tried to imagine a summer with no chores. That didn't seem good with a boy "half-past 11." He was a lot of help last summer. He took a great deal of interest and did his work well.

He drives the tractor, and was splendid help as far as his strength permitted. This year, he is bound to be one year better, and we are not anxious to break up the routine.

Our three brooder houses were cleaned and placed last fall with wires still attached for electric brooders. They were cleaned thoroly when put away, so it will not require a lot of effort to start out.

Our egg production has been very fine from the day of the first egg (Labor Day). Hatchability has held up to an average of 90 per cent or better. The men at our hatchery have been anxious that we continue for another year.

So we decided to accept our normal 550 pullets—but on the 13th of May. This is late for us and requires readjustment of our entire program. I've been trying to look ahead and see whether I will like this arrangement.

Brooding should be fairly simple both as to cost and effort. Chicks should be able to go outdoors almost as soon as they can find their way in and out.

They will not lay quite so early. I shall not expect eggs until about October 1. It will not be necessary to house the birds until after the hot weather is over.

We have been disposing of our hens as soon as the hatchery season is over. But with late chicks we may keep the hens until they begin to drop in production. This will be interesting. We've wondered how this particular breed would hold up thru the summer.

We shall miss the early fall eggs, for that is the time of high prices. But we expect even more vitality during the hatchery season, since the pullets will not have laid so hard in the early fall.

There's less chance of a molt in late fall, too. Once in production, I'd expect them to carry straight thru. Our flock did so this year.

But that is the exception rather than the rule. Too often we've had high production in the fall, and had to wait when the hatchery was panting for eggs until some molters began to lay again.

A friend told me of an interesting experiment she is trying with her chicks this year. She bought a new oil brooder. But, instead of the conventional type, she got a turkey brooder.

She likes it very much. The hover is farther from the floor. The diameter is smaller. The heat seems to be deflected farther into the room, and the chicks do not draw into such a small space, but are perfectly comfortable spread out in a larger circle.

Before we got our electric brooders, we used a battery for a week or 10 days, and then transferred the chicks to the brooder house. We did not use a hover on our coal brooder stoves at all.

Chicks were used to the entire battery being warm. We felt they changed better to houses heated thruout than when we tried to get them used to a hover.—M. B., Jasper County, Iowa.

Good Cleaning of equipment is insurance against sick chicks, says Dee Thompson, Dallas county, Iowa. Dee and his brother, Bob, sell 1,000 eggs a week, plan to raise 2,000 chicks this year.

Manage Chicks Right

Here's How To Make Poultry Profits

WHAT is the best way to manage chicks? Here is a recent summary prepared by Iowa State College:

Give them room. A chick needs room to grow, room to eat and drink in comfort. Be sure that the house is big enough at all times. Give each chick one-half square foot of floor space for the first eight weeks; one square foot for the next four weeks; two square feet after 12 weeks.

Keep them warm. Your brooder house should be insulated for temperature control. Use slot ventilators or windows to regulate air flow. Have windows in at least three walls—only one or two in the south wall. This keeps the temperature even and reduces piling of chicks.

Use a chick guard. A guard around the brooder will help keep temperatures more uniform. Flexible material used for the guard circle should be about 30 feet long and 18 inches high.

In cool weather, set the guard circle about 30 inches from the hover of the oil stove, only a few inches from the hover of an electric brooder.

The guard circle should be made larger the second day. By the fourth, it can be enlarged to reach the walls. It's not needed after the first week.

Use the right size brooder. For oil stoves, allow 250 chicks for a 52-inch hover and 300 chicks for a 56-inch hover. For an electric brooder, allow 15 square inches of space under the hover for each chick. A 4x6-foot brooder should handle about 250 chicks.

Provide plenty of feeders and waterers. Chicks need room to eat and drink without crowding. More space is needed as they grow. Figure two inches of feeder space for each chick, or a four-foot feeder for each 50 chicks.

Change to the next size feeders at four weeks. At eight weeks, add two more inches of grain trough space for each chick, or a four-foot feeder for each 50 chicks. Start with a two or three-gallon fountain for each 50 chicks. At four weeks change to the five-gallon size.

Use a sun-porch to aid growth. A sun porch attached to a brooder house allows the chicks direct sunlight. It gives them more room to eat and drink. That means faster-growing birds—better quality.

A sun porch equipped with feeders on the outside reduces labor. A porch of the same size as the brooder house floor is best, but a smaller one is better than none.

Start feeding immediately. The chicks should be fed as soon as you get them home. If feeding is delayed, death loss may be high.

Self-feed a good starting mash containing about 18 per cent protein. It should contain the ingredients your chicks need for eight weeks. Fill the feeder full the first two days—afterward just half full, to prevent waste.

Add whole grain. At eight weeks the chicks are ready for whole grain. Whole oats, shelled corn (uncracked) and other grains should be self-fed in separate self-feeders.

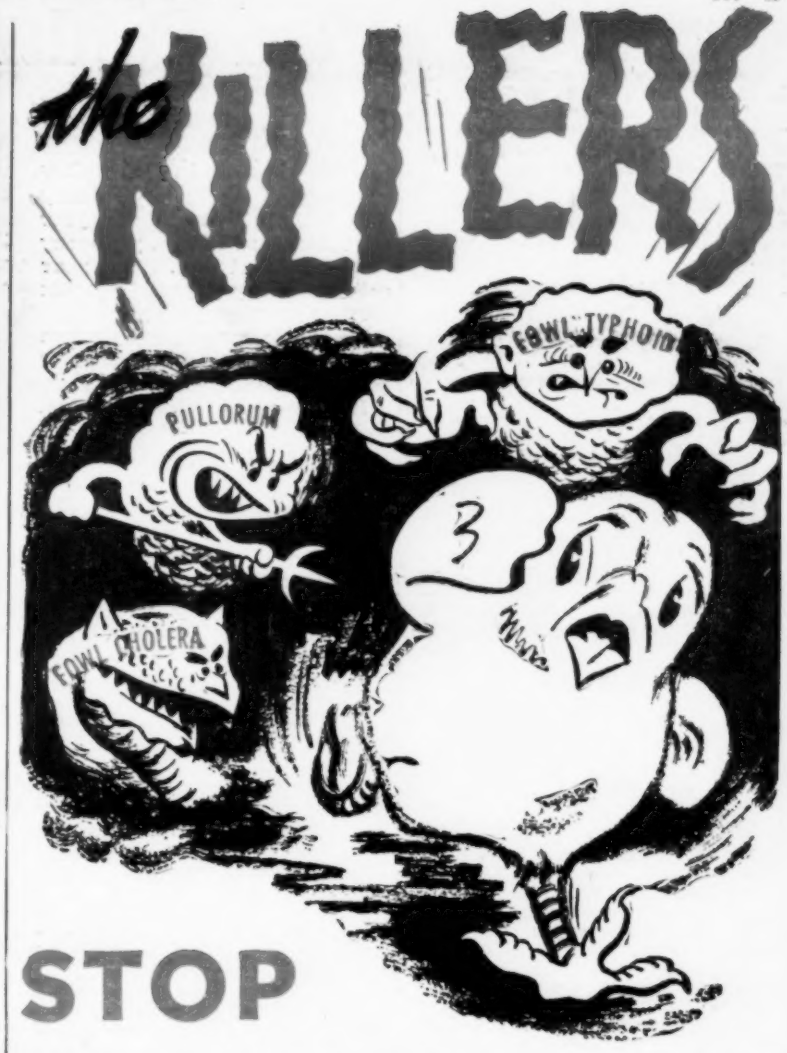
Change mash at 12 weeks. When the chicks are 12 weeks old, the mash should be changed to a 26 per cent protein ration.

Changing from one feed to another should be done gradually. Have enough feeder space so one filling per day is adequate.

Provide constant water supply. An adequate supply of water is absolutely essential for fast growth and healthy birds. As the chicks grow, have enough large-size waterers to make once-a-day filling enough.

Use deep litter. Using deep litter (three inches or more) on the floor is one of the best ways to avoid coccidiosis.

When the surface becomes matted, fork or rake it. Add more when this treatment does not prevent matting. Keep feeders and waterers up high enough so that litter is not kicked into the feed and water.



STOP

them in the drinking water with this proved, effective

ANTISEPTIC!

Now you can make drinking water SAFER for your chicks! It's FUNJOL that does it! FUNJOL *destroys* deadly germs of fowl cholera, pullorum, and some strains of fowl typhoid, in five to ten minutes, IN THE DRINKING WATER. FUNJOL checks growth of bacteria that cause souring . . . FUNJOL kills the fungus, *Monilia Albicans*, a common cause of mycosis. And FUNJOL'S powerful ANTISEPTIC action is *continuous*, hour after hour, day and night, as long as there's a drop of water in the fountain. FUNJOL is the biggest step forward in drinking water sanitation in years . . . and it's easy to use, inexpensive, palatable!

SCRUBBING AND SCOURING ALONE ARE NOT ENOUGH!

No amount of scrubbing and scouring can KEEP the water CLEAN. Chicks pollute it, soon as they start drinking. Right away they get dirt, feed and litter into the water . . . rinse their little mouths each time they drink. Hour after hour it gets worse, but they drink that kind of water until the fountain is cleaned again. *Notice the slime and scum and sediment at the end of the day.* That's why it's so important to use FUNJOL. All it takes is a teaspoonful of FUNJOL to a quart of water, in any kind of container.

Be sure to use FUNJOL from the first, for your baby chicks and poults.

FUNJOL

FOLLOW THIS FIVE POINT CHICK HEALTH PROGRAM

- Be sure to start with vigorous chicks of blood-tested stock.
- Thoroughly clean and disinfect the brooder house, stove, and all utensils before chicks come.
- Have plenty of fountains, feeders, plenty of fresh air, water and feed, and plenty of room to prevent crowding.
- Clean and disinfect the fountains at least once a day.
- USE FUNJOL IN THE DRINKING WATER.

Get a bottle of FUNJOL today at your local hatchery, drug store, feed or supply dealer. 8-oz. 75c; Pint $1.25; Quart $2. A product of The Gland-O-Lac Co., Omaha, Nebr.

Plan Poultry Pasture

Green Feed Will Pay Big Returns

THERE is magic in good poultry range. It is wise to plan early for plenty of pasture for your farm flock. It will save you many dollars in feed cost. And your chickens will pay you big profits for that extra green feed.

There are many good pasture crops. Of all of them, alfalfa is probably one of the best.

It can be clipped now and then to provide tender green feed for the chickens. It furnishes a last green bit in the fall.

We have about an acre of good alfalfa that we do not harvest at all. We keep it for our flock of nearly 1,000 pullets. It brings us a return of at least $150.

Rye is another good poultry pasture, but it doesn't stay green as long during the summer. It is better for spring or fall pasture. Barley and wheat make good pasture. The grains supply the energy required and some of the vitamins. The pasture supplies the rest.

Blue grass helps the flock, too. It keeps coming up as the birds pick it off.

Quick-growing grains, such as millet, oats or wheat, make ideal open range. I like to plant several rows of corn either in the middle of the range or on one side.

This gives the chicks more shade during the hottest July and August days, and also protects them from hawks.

One cultivation is about all the corn needs. The chickens will keep it well worked and free from weeds.

If you don't have a small spot near your chickens where you can plant green feed for summer pasture, move your brooder houses onto a good green range. This may mean you will have to haul feed and water to them. But the green pasture they get will pay you for the extra work.

The range also will help you keep the birds free of worms. The range should be on a slope with good drainage. Then germs and worm eggs will wash away whenever there is a heavy rain.

It is wise to plan a rotation so that chicks are not ranged on the same piece of pasture oftener than once in every three years. Rotating with alfalfa, potatoes and corn is a good method.

The year before a field is to be used for chick range, we plant it to corn. Following the last cultivation, alfalfa seed is broadcast approximately twice as thick as when seeded for hay.

The first rain will cover the seed. And the alfalfa will generally make a thick stand of small-stemmed, leafy plants that are ideal for green feed.

The second year, we range the chicks on a different field and plant the old field to potatoes. The chickens manure the ranges, and the nitrogen fixed in the soil by the alfalfa produces an extra good crop of potatoes.

Oats make a good crop to plant the third year. Or you can put the land back into corn in the spring, and into alfalfa again in late summer.—O. C.

Contest Seeks Best Meat Poultry

Do you have chicks that were hatched between March 23 and 29? Or between February 23 and March 1?

If you have, you can enter them in the 1947 Chicken-of-Tomorrow contest. Purpose of the contest is to recognize poultrymen who do a good job of producing high-quality meat poultry.

The contest is open to all flock owners who buy chicks during one of the three contest weeks. They are February 23 to March 1, March 23 to 29, and April 20 to 26.

Each entry must include at least 100 and not more than 300 straight-run chicks. They may be any breed, crossbred or hybrid.

You can get entry blanks from hatcheries or produce dealers.

Wonderful Success Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers. Read her experience in her own words: "Dear Sir: I think I must be one of the very first to use Walko Tablets. Some 35 years ago when I started raising chicks I saw Walko Tablets advertised as an aid in preventing the spread of disease through contaminated drinking water. I tried a package for my baby chicks with happiest results. I have depended on Walko Tablets ever since."—Mrs. Ethel Rhoades, Shenandoah, Iowa.

Danger of Disease Among Baby Chicks

Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby chicks must have a generous supply of pure water. Drinking vessels harbor germs. Drinking water often becomes infected with disease germs and may spread disease through your flock before you are aware. Use preventive methods—use Walko Tablets. For over forty years thousands of poultry raisers have depended upon them. You, too, can rely on Walko Tablets as a valuable antiseptic to aid in preventing the spread of disease through contaminated drinking water.

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their little chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Send direct postpaid if your dealer cannot supply you. Price 50c, $1.00, $2.50, and $4.00.

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Dept. 16, Waterloo, Iowa

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READY TO LAY IN 3½ MONTHS
4 to 6 Weeks Old Pullets at Only... $26.90 Per 100. Immediate Delivery
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SAVE TIME AND LABOR
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STOUFFER'S CHICKS
U. S. Approved and Pullorum Tested Flocks
White, Buff, Leghorns, Anconas, Rocks, Wyandottes, N. H. Reds, Orpingtons $12.90. Also sexed chicks. AAA Matings, 1c per chick higher. Get complete prices. Heavy assorted $7.95. Light Assorted $6.95. Leghorn Cockerels $1.95. Collect.
SADIE STOUFFER HATCHERY
Waddams Grove, Illinois

—OUR ADS ARE NEWS—

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YOUR CHOICE of SENSATIONAL NEW TABLE MODEL BELTSVILLE WHITES or BROAD-BREASTED BRONZE

in lots of 1,000 or more, each **49¢**
The new Berry Table Model Beltsville Whites meet the demand for a turkey to suit the small or medium size family. Heavy meated, plump breasted. Berry Bros. have produced Turkey Poults since 1924, supplying many of the country's largest growers for market.
in lots of 500 to 1,000 . . . . each **51¢**
in lots of 100 to 500. . . . . . each **53¢**
in lots of Less than 100 . . . . each **55¢**
All quoted prices F. O. B. shipping point. 100% live delivery.

SHIPPED ANYWHERE AIR OR RAIL. Write or wire for air delivery details, mentioning quantity desired.

RUGGED HIGH LIVABILITY GO TO MARKET EARLY
23 years breeding for (1) LIVABILITY (2) QUICK FEATHERING (3) SHORT LEGGED STOCK (4) UNIFORM BROAD BREASTED CARCASSES with HEAVY THIGHS (5) BIRDS WHICH GO TO MARKET in 5 MONTHS.
ORDER NOW for DELIVERY STARTING APRIL 15
Available last 2 weeks April, all of May and June. We wrote 58 customers, requested livability report. They replied that out of 14,230 poults bought, 13,341 were ALIVE at end of 4 or 5 weeks! Poults in this sale will go FAST. Order today!
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BEEBE ARSONIL is a safe, palatable medication which helps prevent the spread of bloody coccidiosis. Mix Beebe Arsonil with feed or water—use it at first signs of the disease (droopy appearance, bloody droppings).

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PRODUCTION BRED FOR 22 YEARS
Enriched with the Blood of America's Greatest Laying Strains. Pullorum Tested.
White, Brown Leghorns; White, Barred Rocks; Buff Orp., Wyandottes; New Hampshires, Giants; Buff Minorcas, Reds; Austra Whites — PER 100 $12.90 Prepaid. 100% Live Delivery Guaranteed
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Iowa—U. S. Certified Chix and Eggs. 20,000 daughters and granddaughters of our ROP hens with records of 200 to 332 mated to ROP males from hens with records of 300 to 354 eggs. 22 years breeding experience. Iowa's largest ROP Leghorn Breeding Farm. Catalog.
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PUT NEW VIGOR INTO YOUR FLOCK
For better, longer lasting egg production all "VIGOR-BRED" Chicks. Take your choice of our 8 popular breeds. U. S. Approved, Pullorum Tested. Prepaid shipments. Early Order discounts. Post card brings Catalog and prices. 10-Day Livability Guarantee
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LOOK 100 Dunlap Strawberry plants for $1.50 postpaid. 3 Red Raspberries for 30c postpaid. LEONARD MONSON, Stratford, Iowa

—WASTE FATS ARE STILL NEEDED—

HELP! or I'LL DIE!

COCCIDIOSIS
CHOLERA-TYPHOID

1 SANITIZE With SANITEM—Sanitation doesn't cost—it pays! Give your chicks an even break by having their new home, feeders and waterers clean and sanitary. Clean and scrub the brooder house and all equipment thoroughly several days before chicks are due. Then disinfect and sanitize with Dr. Jespersen's SANITEM, the powerful, pleasant, germ killing disinfectant. **Prices: Pint, 75 cts.; Quart, $1.25; Gallon, $3.50.**

2 Use D.R.D. (Concentrate)—Better to **prevent Coccidiosis** than to have to treat it. Give your chicks Dr. Jespersen's famous D.R.D. CONCENTRATE in their drinking water for the first 10 days to help **prevent** and **treat Coccidiosis.** Thousands use it every year. **PRICES: 300 chick size, $1.50; 600—$2.75; 1200—$5.25; 2400—$9.75.**

3 Use FOWLTONE (Concentrate)—Follow up with the marvelous tonic quality of Dr. Jespersen's FOWLTONE CONCENTRATE in the drinking water and help keep them strong, sturdy, peppy and **fast growing.** CHOLERA and TYPHOID, too—at the first sign give FOWLTONE in the drinking water, any type fountain. **PRICES: 300 chick size, $1.50; 600—$2.75; 1200—$5.25; 2400—$9.75.**

AT YOUR DEALER'S—If he is out, to save time we will ship SANITEM, D.R.D. or FOWLTONE direct to you at above prices prepaid if check or M.O. with order—or C.O.D. and you pay delivery charges. Attractive proposition for established dealers. **FREE—Dr. Jespersen's new Poultry Health Guide. Write today.**

Dr. Jespersen's LABORATORIES
Dept. W-41 SPENCER, IOWA

GIVE YOUR CHICKS GERMOZONE
The Liquid Drinking Water Medicine

Cut your baby chick losses by protecting the drinking water. Keep it fresh and clean, and take advantage of the additional help Germozone gives. The value of Germozone is supported by many years of use by thousands of poultry raisers. Mixes easily, instantly, uniformly.

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ALL POPULAR BREEDS

Just good breeding at prices you can afford to pay. All chicks from blood tested breeders and from carefully culled and supervised flocks. Hatched in modern electric incubators for vigor and fast growth. We back them with our guarantee and ship prepaid to you. Started Pullets in White Leghorns and White Rocks our specialty. We raise them to your order at prices that make you more money. Write TODAY for Low Prices and complete catalog. You will be money ahead with MODEL CHICKS.

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MAMMOTH WHITE PEKIN DUCKLINGS

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Choice TURKEY POULTS

Place your order now for Mixa Broad Breasted Bronze Poults, backed by careful breeding and scientific hatching. Famous breeds include Hamiltons, Nebraska Farms, Ryckebosch, Ramonas. State pullorum controlled . . . no custom hatching or chicks hatched. 100% live delivery guarantee (extra poults included in each shipment). Nearly 600,000 sold last season. Write for literature. Redwood Falls, Minn.

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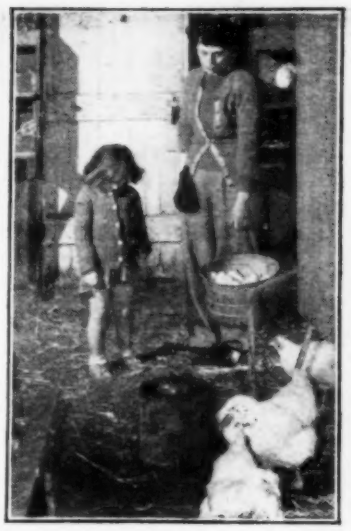

Night lights, automatic water system help Mrs. Clifford Miller, of Boone county, Iowa, get 120 eggs a day from 200 pullets.

Spring Brings Dirty Eggs

The number of dirty and soiled eggs can be greatly reduced if layers are kept confined until shortly after noon during slushy spring weather.

Most eggs will have been laid by that time. They can be gathered before the birds have had a chance to soil them with muddy feet.

Providing enough nests will also help prevent broken and soiled eggs. There should be at least one nest for every five layers. Birds should not be allowed to roost in these at night. Nesting material should be changed often.

Keep the hens' feet clean by providing dry, clean litter. Damp litter is always a menace to the health of the poultry flock.

It is a good idea to place the water supply far enough away from the nests so that a hen with wet feet will dry them to some extent in going to the nest.

Despite all precautions, there will be some dirty eggs. Until recently, it was thought that washing soiled eggs affected their keeping qualities.

However, the Missouri experiment station has found that eggs washed in warm water containing one per cent lye will keep just as well as unwashed eggs.

Rubber gloves should be worn when washing eggs in a lye solution, to protect the hands.

What are Crossbreds And Hybrids?

What is a crossbred chick? What is a hybrid?

The fair-trade practice committee of the International Baby Chick Association has adopted the following definitions:

Crossbred—A chick produced by mating different varieties of chickens.

Inbred—A chick produced by the mating of related chickens for enough generations to give the equivalent of more than three generations of brother-sister matings.

Hybrid—A chick produced by mating two or more inbred lines, and with no common ancestor in the four immediately preceding generations.

PRO-MIN
Chick Starter
Improved—Again!

GET CHICKS OFF TO A FLYING START

NOW . . . have still better success with chicks! Avoid early complications. Reduce losses. Give chicks a better start. Besides . . . SAVE the cost of usual medicines!

Long-proved PRO-MIN Chick Starter, at no extra cost, now supplies needed medication! Your favorite starter . . . plus MEDICATION . . . all in one bag . . . at ONE LOW PRICE!

JUST THINK! Feeds, ordinarily merely stored in the crop, then ground in the gizzard, **now actually start to digest IN THE CROP!** Medication avoids usual souring.

You'll be delighted with the improved results! Chicks thrive as never before. TWENTY-SIX important ingredients, in exacting balance . . . plus vital medication . . . combine to develop extra sturdy frame, extra vigorous health.

Cod Liver Oil, Meat Scraps, Dried Buttermilk, Liver and Glandular Meal, Kelp Meal, Fish Press Water, Ground Grains and 17 other ingredients . . . **plus medication!** . . . Greatly added value . . . but no increase in the price. **Enjoy greater success with your chicks this year . . . use PRO-MIN Medicated Starter!**

This medicated Chick Starter assures you:

1 All essential trace minerals in balance amounts as determined by latest nutritional research. These include adequate amounts of blood-forming iron, copper and cobalt.

2 Natural grain enzymes in tested amounts to add a little punch to digestion in the crop.

3 Stimulants to pep up any little fellows that may lag behind in development.

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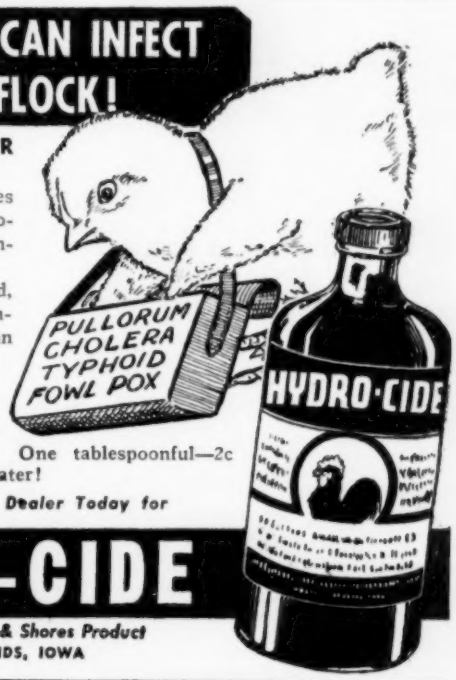
SHAMBLEN MILLING CO., Dept. W-4, OMAHA, NEBR.

ONE CARRIER CAN INFECT Your WHOLE FLOCK!

MEDICATE THEIR WATER WITH HYDRO-CIDE



Head off wholesale disease losses due to contaminated water. Protect with Hydro-Cide's 6 advantages:

1. Kills germs of cholera, typhoid, pullorum, fowl pox. 2. Chief ingredient 300 times stronger than carbolic acid. 3. Effective 24 hours or longer. 4. Prevents slime, inhibits mold, fungus. 5. Protects birds the year 'round. 6. ECONOMICAL! One tablespoonful—2c worth—medicates a gallon of water!

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CEDAR RAPIDS, IOWA

GOOD FEEDS! GOOD CHICKS, plus

Good, Comfortable Brooder Houses, plus
Good Management, plus Good Feed, equals
A LOT OF SATISFACTION AND GOOD PROFITS!
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1 GAL. SANA-FOUNT filled with HILLTOP K-M

For Only $4.00 At Your Hilltop Laboratories' Dealer

Our tests show that chicks given K-M daily drank 13% more water, ate 15% more feed and gained 20% more weight. That's why experienced poultry raisers always rely upon K-M!

GOOD COMBINATION

SANA-FOUNT is the time and labor-saving all-glass drinking fount . . . and, of course, Hilltop Laboratories' K-M is the effective, reliable poultry drinking water antiseptic that kills the germs of pullorum, typhoid, paratyphoid and cholera in chicks' drinking water. There's a **perfect combination** for poultry raisers.

OFFER ENDS MAY 15th

With Hilltop Laboratories' K-M valued at $3.50 per gallon—you receive this **new** SANA-FOUNT at your dealer practically **free!** It's a money-saving buy you won't want to miss. This Hilltop Laboratories' **Special Offer** expires on May 15th. Take advantage of it! Just ask your dealer for the **SPECIAL Hilltop Laboratories' Offer!**

SEE YOUR NEAREST HILLTOP LABORATORIES' DEALER TODAY!

IF HE CANNOT SUPPLY YOU WITH THIS SPECIAL OFFER—WRITE DIRECT

ALWAYS INSIST UPON THIS TRADE-MARK

HILLTOP LABORATORIES — Aids for Poultry —

718 WASHINGTON AVE. NO., MINNEAPOLIS 1, MINN.

These Are first of 750 chicks Mrs. Loren Diddy, of Dallas county, Iowa, will raise.

Sarah Jane Says:

Moving Back to Iowa

To the Editor: This time last year, we were getting ready to move up here. I thought then that I was thru as far as moving was concerned.

But now we are making plans to move back to Iowa—to a farm 50 miles or so south of our former home.

This is a wonderful dairy country, but cows have been so high we haven't got much more than started.

My husband likes Iowa farming better, anyway. As for me, I have been longing for the "leeks and the onions" of Iowa. I think that I might have a better garden if I stayed here another year, because our experience with frost, flood and drouth is a good teacher.

But I can have a good Iowa garden, too—with tomatoes to can!

I had very few chickens here last year — four dozen hens. But, for lack of feed and equipment, I could not raise young chickens. So I feel very glad to think I can have both garden and chickens again.

I have ordered started pullets for the first week in June.

Some people up here seem to do quite well with chickens. But most of them keep only a few, to have some to eat, and a few others to lay eggs.

I will take some, if not most, of our hens back to Iowa. They are laying well now.

But I'll have to leave the strawberry bed and the blackberries and raspberries in the pasture.

We have a new alfalfa seeding that is hard to leave, too. The place to which we are moving has been limed, and phosphate is being put on the oat ground this year. So we can have alfalfa later. Doing things over is a penalty for moving.

Mr. G. has gone to make arrangements about moving and to look after some other business. I am taking care of the stock and packing up some things, cleaning, etc. I want to leave this house cleaner than I found it.

We are not quite sure yet what goes in the railroad car and what in the truck, but I hope things will straighten out for us like the pieces of a jig-saw puzzle.—Sarah Jane.

• Excellent educational and descriptive material on these subjects is offered to you FREE by advertisers in this issue. Write direct to the manufacturers whose advertisements appear on these pages for your copy of this information.

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Information Please, Mr. Lewis—

About the items I have checked with an X.

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- ☐ SELLING Big Premium HATCHING EGGS
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- ☐ OUR LEWIS HATCHERY BROADCASTER and MISSIONARY LETTERS PAPER. FREE.

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Write for Big 24-page Turkey Guide & Handbook. Interesting, instructive, with many pictures of our Breeding Farms. We will also send you Complete 1947 Price List. Broad Breasted Bronze (Wagon Wheel Strain) White Hollands, Small Whites, Bourbon Reds, Black Spanish, Narragansetts, and there's something New, Sexed Poults, Started Poults. Something for every turkey raiser, large or small. Prices as low as 41c each. Every order Guaranteed! Shipment made anywhere in United States. All Stock U. S. Approved. Big Discounts Now. Write today.

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"ORDER the BEST For the MOST PROFIT"

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AAAA White and Barred Rock. ROP Sired

	St. Run	Pullets	Ckls.
3A Grade Wh. and Bd. Rocks	$ 9.75	$13.75	$ 9.75
Reds—4A Grade	11.25	15.75	11.25
4A Grade New Hampshires, White Wyandottes, Austra-Whites, Buff Minorcas	11.25	15.75	9.75
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Heavy Assorted 3A and 4A Grade	6.90	10.75	6.90

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Kill

White Top

SPRAY

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THE FAMOUS 2.4D WEED KILLER

- It wets more thoroughly
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IT TAKES *ALL THREE* FOR A SURE KILL

Spray early. Weedone is most effective on white top (hoary cress) if you spray in the spring when it is growing rapidly, *before it goes to seed.* On irrigated land, white top sometimes puts out new shoots in late summer. That, too, is a good time to get a sure kill.

Use Weedone to kill poison ivy, the mustards, the thistles, bindweed, other noxious weeds. Weedone does not kill cereal crops and pasture grass.

Successfully used by farmers for three seasons.

Weedone spraying costs only $10 to $12 per acre . . . much less on a spot basis.

Ask your dealer or write to

AMERICAN CHEMICAL PAINT CO.

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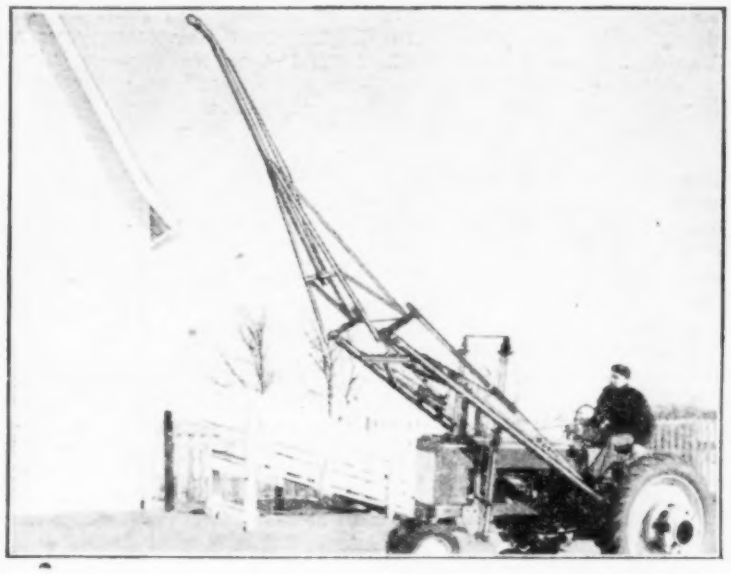
What's New For Farm and Home?



High Lifting chores are easily done with this new lifting boom. You can put a hay fork on it and build or tear down stacks. Can also be used to lift poles or other objects. Telescoping arm reaches to a height of 19 feet. It's an attachment to be used on the Horn-Draulic loader, made by the Horn Manufacturing Company.

New "Krene" curtains save a lot of work. Of ruffled plastic, these curtains can be tossed into a washing machine, rinsed and hung up again. They come in gingham checked cottage sets and panels. They are priced at $5.95 to $8.95 a pair. Aprons and tablecloths in the same material.

Mounted dirt scoop is offered farmers now to dig ditches, repair terraces, move dirt up to buildings, dig trench silos or any dirt moving job. Claimed to be attachable to most hydraulic lift tractors. Can be tripped and dumped with one hand. Made by the Stockland Road Machinery Co.

New Disk Truck and trailer makes moving the disk easy even on paved roads. No dulling of blades. You merely back trailer under lifted disk tongue. Then push down and the blades are lifted off the ground. Platform makes the disk truck a trailer with a capacity of 2,000 to 3,000 pounds. Made by Dominic Manufacturing Co.

SWOLLEN UDDERS RUINED HIS HERD

Don't let this happen to YOU!

This Illinois breeder had to sell his pureared cows (with 480 lb. butterfat record for slaughter, because of mastitis infection. 2 cows in every 5 have Swollen Udders, experts' tests show, yet Swollen Udders can be cured with SECURITY SPECIAL UDDER FORMULA!

ORDER YOUR SUPPLY TODAY

Leading Iowa dairymen, veterinarians and the U. S. War Dept. depend on SECURITY SPECIAL UDDER FORMULA to keep their cows free from swollen, sore, lumpy, chapped or caked udders and teats. This highly potent antiseptic healing ointment relieves pain almost at once so nervous cows do not "hold up" the milk flow. Acts "lightning fast"—often clears up swollen injured udders between milkings! Especially effective at calving time. S. P. Wright, of Fergus Falls, Minn., says: "It is a great help for swollen udders." Albert Kuhnert of Kansas City, Kan., writes: "I am glad some one helped me by telling me of the wonderful things it really does for swollen udders." Mrs. J. O. Duryea of Hillsdale, Mich., says: "Nothing equal to it. I used it on a cow—in 3 days time her udder was normal."

YOU TAKE NO RISK

Select amount depending on size of your herd. Use it for 1 week. If SECURITY SPECIAL UDDER FORMULA is not better than anything you ever used before, send unused portion back for full refund. Don't wait—mail your order NOW!

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FARNAM HOG-OILER and MED-OIL

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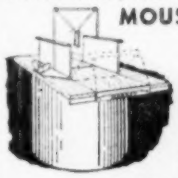

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ALWAYS SET
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The animal gets inside of pivots of the 2 trap doors, before they are released by magnets.

Write for circular, prices and proposition to introduce and sell the traps in your locality.

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STAHMER MANY PURPOSE all steel TRAILER

Here it is . . . the kind of a trailer you've been waiting for! "A real job" . . . offering new conveniences and construction features. Yes, it is wider and longer! Low floor height, yet with a ground clearance of 19". Double end gates . . . extendable tongue permits carrying longer type loads, such as lumber . . . wide enough for sheet material, such as wall board.

Smoother riding and easier to handle, with cantilever mounted automobile type leaf springs. The Stahmer is completely welded, all steel construction—16 gauge bottoms and sides mounted on extra heavy frame and with ten sturdy, stake pockets.

TIMKEN BEARINGS. Independently sprung wheels—standard width tread with low priced, high speed, wide base tires. Tires are easily accessible. Spare wheel and tire available as optional equipment.

The Stahmer Trailer holds 1000 lbs. which can be doubled easily by adding two more wheels. Complete with tires, the Stahmer weighs 324 lbs. The sturdy Stahmer will amaze you with its many unusual features.

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SOFTENING • SOOTHING
Send for FREE SAMPLE 1 oz. can 25¢
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—OUR ADS ARE NEWS—

Voice of the Farm

Asks Why We Didn't Eat Iowa Spuds

To the Editor: All last summer and fall, while the papers were telling of the enormous crop of potatoes in northern Iowa that was rotting in the field, our grocery orders were filled with potatoes at 4 to 6 cents per pound, shipped in from Colorado, North Dakota, Idaho, etc.

Why don't grocers buy their own state's products and put them within reach of the family of six or eight?—W. B., Marion County, Iowa.

It might have helped some. But there were still too many spuds.—Editor.

Says Vets Will Pay For Own Bonus

To the Editor: In exchange for my three years and five months in service I still live in the greatest country in the world.

The things we have can never be computed in terms of money. If you can tell me how to make those who unjustly profited in the war pay a bonus, I'm for it.

This is not the case, fellow vets. You and I will pay it to ourselves. —Lawrence Stuart, Hardin County, Iowa.

Anyone got a system for making just stay-at-homes pay?—Editor.

They're Against A Speed Limit

To the Editor: A car in good condition going 70 is safer than one with no brakes and poor tires traveling 40. And you can be killed just as dead driving slow if you pass on curves or hills.

The law should require "reasonable and safe" driving, with the decision in individual cases left to the highway patrol.—Lee Welch, Webster County, Iowa.

To the Editor: If the speed limit is too high, it would defeat its own purpose. If it were too low, many motorists would drive with eyes to the rear, looking for speed cops.

We have tried speed laws. Let us now try a campaign of education.—W. C. Boyer, Linn County, Iowa.

But careless drivers are hard to educate.—Editor.

Believes GI Bill Plays Favorites

To the Editor: The GI Bill of Rights gives some of the vets a lot and others nothing.

A young man going to college can get an education free. The rest of us can get a GI loan with interest at 4 per cent, but it all has to be paid back. Why can't we have a bonus? — J. S., Tama County, Iowa.

Maybe we need to revise the GI bill.—Editor.

Taxed For Land He Doesn't Own

To the Editor: Suppose Young Man A has saved or inherited $5,000, and Young Man B has saved or fallen heir to $20,000. As long as their capital remains in the bank, B is taxed four times as much as A is taxed, which is right.

Now each of them invests in a 160-acre farm. A can pay in full. B makes a one-fourth payment. And so owns one-fourth of his farm. But both pay taxes on 100 per cent of the assessed value of their farms.

No one has ever had the courage to correct this condition. Why?—J. F. Carss.

Has anyone figured out a way to do it?—Editor.

Shells Corn For 42 Years

To the Editor: Speaking of old-time corn shellers, I would like to put in a word for my father, Will Troll. He was 20 years old when he bought his first corn-sheller to do custom shelling. He is now 62 and still shelling almost every day.—L. W. Troll, Shelby County, Iowa.

Can anyone beat this 42-year record?—Editor.

Thinks Most People Forget Foxholes

To the Editor: Too many people are thinking about roads and schools and forget about the wet, muddy foxholes a lot of us had to lie in.—Paul Hansen, Black Hawk County, Iowa.

Can money repay you for that?—Editor.

"costs you nothing"
to convert to MULTIPLE-SPEEDS

because the Step-Up 6 speed transmission saves more than it costs.

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Pays $100 Monthly for Sickness or Accident; Up to $5,000 If Killed

Hospital Benefits—Costs Only 3c a Day

Policy Sent for Free Inspection

A NEW sickness—accident—hospital policy that pays up to $100 a month for disability from sickness or accident—and hospital benefits in addition—up to your beneficiary up to $5,000 if you are killed—costs only 3 cents a day.

And the accidental death benefit increases to $7,500 after you have kept the policy in force for five years.

Most important—it covers accidents and sickness from the very first day of medical attention. No waiting period of 7 or 14 days, as so many policies require.

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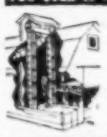

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NEW Duplex HYDRAULIC SCOOP AND REVERSIBLE BULLDOZER & SNOWPLOW

For hydraulic equipped tractors. Hand lift model also available.

With this hydraulic scoop, you can dig, deliver, place more dirt faster, easier.

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One-man SALLY SAW portable
Gasoline motor. Fells and cuts up. Wghs. 63 lbs. Free Folder
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For Thrifty Hauling On Farm or Highway, Use This Rugged, Easy-Rolling

BEN-HUR
All-Steel **TRAILER**

Here's your TOP VALUE in an All-Steel Trailer . . . the BEN-HUR! It's engineered for hard daily service — around your fields or on the highways. Yet the BEN-HUR is trim in design, easy to pull because of its perfect balance and tapered roller bearings, and rides smoothly and easily on husky steel springs. All-steel welded construction, reinforced channel steel drawbar, non-skid "4-Way Safety" steel floor plates — are only a few of the strength features that assure years of satisfaction with a BEN-HUR All-Steel Trailer.

BEN-HUR Model 22-47 All-Steel Trailer with all-steel disc wheels, 6.00x16 tires. Extension Rack, arched bows and waterproof tarpaulin as shown are optional equipment and handy Trailer Stand, which simplifies loading and hitching, is standard equipment.

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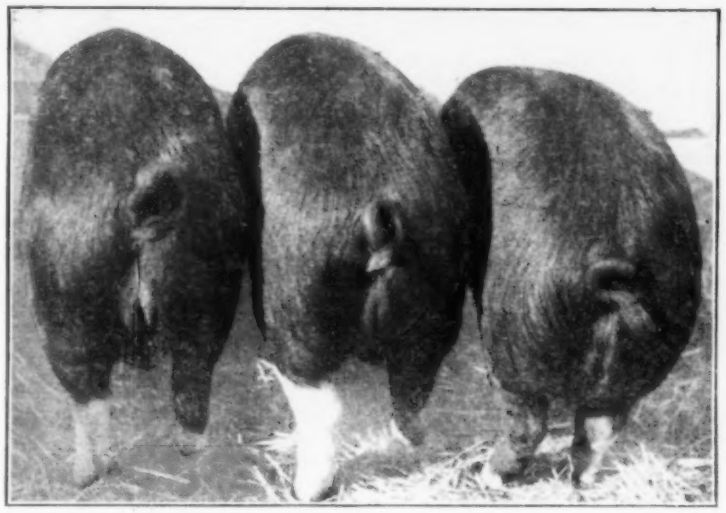

Grand Champion pen of barrows at the Spring Market Hog Show, which was held at Cedar Rapids, Iowa, March 22. They were exhibited by E. W. Forest & Sons, Mt. Vernon, Iowa.

Lunches Will Support Dairy Prices

To the Editor: I think the school lunch plan a very good one, both for the dairymen and for school children. If dairy prices have to be supported, the school lunch plan is a good way to do it. It should have the backing of congress.—Will Yates, Osceola County, Iowa.

Better keep the machinery going in case we need it.—Editor.

Says School Children Learn About Milk

To the Editor: The serving of milk for school lunches has been, is, and will be of great benefit to dairymen. Children have come to see that milk is a vital food. The parents likewise realize this.

I am very much in favor of congress passing a deficiency appropriation to permit the school lunch program to be continued for the balance of this year. Congress also should provide sufficient funds for the continuation of the program thruout the years to come.—Ernest T. Smith, Clayton County, Iowa.

A lot of kids could use more milk.—Editor.

Wants More Aid For School Lunches

To the Editor: Congress should make a deficiency appropriation to close out the school lunch program for the balance of the school year.

And, since we are short this year, let's appropriate 100 million (instead of 75) for next year.

School lunches have been worth while to dairymen and they have helped the health of our children.

Tax reduction for corporations and high-income groups at the expense of appropriations for school lunch programs is not the kind of democracy the common people can understand.—Arthur Gerlach, Mitchell County, Iowa.

Maybe the common people haven't been making enough noise.—Editor.

Is Oil Involved In Greek Deal?

To the Editor: Right now our big boys are boosting everything to save democracy in Greece. Or could it be a big pool of oil somewhere? Or am I dreaming?—Peter Beck, Black Hawk County, Iowa.

You sound wide awake.—Editor.

HIRED HAND HARLEY—Did You Try Four-Wheel Drive, Gramps?

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With This New SUPER-DRAULIC HOIST Unit

Farmers, mechanics, blacksmiths, —build Tractor loaders and dump trailers for yourselves — build them for others! Save money—make money. Using our famous SUPER-DRAULIC Lifting Unit plus a few pieces of metal pipe and scrap, anyone can equip an International (H and M), John Deere (A and B) and all other tractors on which hydraulic pumps may be installed — own the best hydraulic loader in the neighborhood. Costs a fraction of the price of most loaders.

Also used to convert mechanical loaders to hydraulic type.

SUPER-DRAULIC HOIST UNITS are complete, powerful, smooth working, non-leaking. Used also on many manufactured loaders.

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FAR PLACES ARE WITHIN YOUR REACH

HOKKAIDO HONSHU GENSAN OKINAWA SEOUL

Six years ago, few Americans could have told you *what* these names stood for, much less *where* they were. Then war came, and the fellow who had never before been out of his home state came back and started mentioning distant places as casually as if he'd been a native. That happened all over the country during the war—and it's still going on.

Maybe you've been on the listening end of the war stories. Maybe you've been thinking that you'd like to see a few of the places veterans talk about. Well, there's plenty of room left for the young man who wants to get around in the world.

The smart way to travel, these days, is with the new Regular Army. Its members are winning the peace in fascinating places all over the world—and are drawing the highest pay in Army history while serving their country in this important work.

A Private *begins* his overseas service at $90 a month—with food, clothing, quarters, official travel expenses, dental and medical care all free. There are plenty of openings, plenty of good overseas posts, and many other advantages for the man who can measure up to the Army's high standards. Ask for latest details at your nearest U. S. Army Recruiting Station.

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18 Herd Sire Prospects; 58 Foundation Females

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C. D. Spear..............Indianola
J. P. Cozad & Son........Indianola
V. A. Rodgers & Sons.........Milo
Belle Leggett & Sons....St. Charles
J. E. Hatcher........New Virginia
Emory Miller ....Carlisle
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Lyle Edwards ....Milo
Fred VanZuuk ....Milo
Earl F. Lohr................Milo

This fine selection of well-bred cattle have been consigned from the leading herds in Warren County. Some of these herds must be considered among the best in the state in view of past records and sires now in use.

This offering is of foundation caliber, the sort for breed improvement. The husky young bulls represent the best in blood lines and quality and will be found suitable for either commercial or registered breeders. Included in the females are bred heifers and cows, cows with calves at foot, and open heifers suitable for 4-H projects. This sale will feature the get and service of some of the finest sires in the breed.

An added attraction to this sale is a complete dispersion of a small but Select herd of EMORY MILLER, Carlisle, Iowa. The herd is headed by Ennoble 95th 693552, one of the top selling bulls in Marion County in 1944.

May we have the pleasure of your presence on sale day? For catalog address

Earl F. Lohr, Secy., Milo, Iowa
WARREN COUNTY ABERDEEN-ANGUS BREEDERS' ASS'N
Ray Simms and Clair Mason, Auctioneers

When writing to advertisers, will you please mention this paper?

LIVESTOCK NEWS

The Angus classic of 1947, at Davenport, Iowa, March 26, of El-Jon Farm, Rose Hill, Iowa, and Wilton Farms, Davenport, attracted the attention of the best cattle men from many states. Blackcap Bessie of Wilton, an Otto G. Nobis heifer, topped the sale at $4,500, and went to B. A. Dye, Princeton, Ill. Fanny Bess 28th of Wilton sold for $3,600 to Revere Knoll Farm, Danville, Ky. Blackcap Bessie 5th of Wilton sold for $3,100 to A-Bar-A Ranch, Encampment, Wyo., and Barbara of Wilton 15th went to the same firm for $2,000. All four were daughters of Evader's Quality Bardolier. Blackcap McHenry 43d, an outstanding heifer calf from the John and Elliott Brown herd, brought $2,000, and went to Revere Knoll Farm. Blueblood Lady Ida 62d sold for $1,500 to R. T. Davis, Jr., Wheatridge, Colo. Juana Lassie B. brought $1,700, and went to Penney & James, Hamilton, Mo. Erianna B. 15th was the favorite of many, and was secured by Dr. Robert E. Cook, Eatontown, N. J., at $2,500. Dr. L. W. Larson, Greenville, Iowa, paid $1,350 for Miss Burgess B. 56th. Wiltonian 10th, a two-year-old bull, sold for $2,700 to Dr. C. E. Block, Davenport, Iowa. The top bull was Bandolier 102d of Wilton. He sold for $3,200 to Norman Smith, Larkspur, Colo. Bandolier 10th of Wilton brought $1,750, and went to Claude Sanders, Eldora, Iowa. Envious Elbanor 16th sold for $850 to Cope Ferguson, New Sharon, Iowa. The 12 bulls averaged $1,171, with 58 females at $1,118 each, and the 70 lots sold for $78,885, a general average of $1,127. Cattle went to buyers in 13 states, namely, Iowa, Wisconsin, Nebraska, Illinois, Missouri, Indiana, Kansas, Oklahoma, Colorado, Wyoming, Kentucky, New Jersey and Idaho. Auctioneers, Roy Johnston and Hamilton James.

The Goose Creek Farms and Nau & Son Angus sale, held at Columbus Junction, Iowa, March 25, brought out a large attendance. They presented a very richly bred lot of cattle. Jilt of Goose Creek was the top female at $1,660, and went to J. V. Driscoll & Son, Williamsburg, Iowa. Elbon's Jilt 2d sold to Driscoll & Son at $1,350. Elbina of Goose Creek went at $1,150 to L. R. Morford, Iowa City, Iowa. Jilt's Eileen of G. C. F. brought $850, and was secured by Milt Tudor, Olin, Iowa. Jilt Nau 4th was purchased by R. T. Davis, Wheatridge, Colo. The top bull was an added entry, a March yearling, and sold for $1,025 to Victor Hoffman, Kirksville, Mo. Bell Boy Barbo 2d went at $550 to Melvin Mumm, New Liberty, Iowa. Burgess of Oakview 2d sold for $500 to Sully & Hatch, Donnellson, Iowa. Berae of Buzz brought $500, and went to Nichols Farm, Columbus Junction, Iowa. The 70 females averaged $432, with eight bulls at $474 and the 78 head at a general average of $424.

The Iowa State Angus show and sale, Des Moines, Iowa, March 10 and 11, drew a large crowd of Iowa cattlemen, with a few in attendance from other states. Wm. Ross, Steamboat Springs, Colo., made the awards. D. A. Jay, secretary, handled all details for the show in an able manner. At the annual meeting, Dan J. Cash was re-elected president. The grand champion bull was Eric Model E. L., shown by Earl F. Lohr, Milo, Iowa, and sold for $1,000, to Everett Williams, Iowa City, Iowa. He was a bull strong in Bell Boy breeding. The reserve champion was Bandolier One A, shown by Henry Schmuecker & Son, Amana, Iowa, and sold for $800 to Bruce Moore, Earlham, Iowa. The champion female was Miss McH. Barbara O. R. 2d, from the O. & R. farms, Scranton, Iowa, and sold for $1,250 to Otto G. Nobis, Davenport, Iowa. The reserve champion female was Blueblood Lady Ida 63d, owned by Dwight M. Garner, Ida Grove, Iowa. She sold for $610 to Harold Eller, Tipton, Iowa. The 51 bulls averaged $352, with 64 females at $326, and the 115 lots sold for $38,875, a general average of $338. They went to buyers in Iowa, Missouri, Illinois, Nebraska, Kansas and Colorado. Auctioneers, Ray Johnston and Clair Mason.

The Southwest Iowa Shorthorn Association sale, at Red Oak, Iowa, on March 10, was well attended, and 29 bulls were sold at an average of $233 per head, with a top of $565 on Will-A-Dell Direct, and he went to Glen Windom, Nodaway, Iowa. He was the grand champion bull of the sale and was consigned by Will A. Davis & Son, Oakland, Iowa. The reserve champion was Brawith Count, consigned by McCone Bros., and he went to Johnson & Huett, Oakland, Iowa, at $375. The grand champion female was Duchess of Glester 3d, and she went to Lomas Bros. at $450. The reserve champion was Red Oak Missie 9th, and she went to Ed White, Fairfax, Mo., at $310. Hickories Ransom 4th went to Otto Williams, Lewis, Iowa, at $400; Oscar Luckland, Lewis, Iowa, took Royal Knight at $310; Lomas Prince Peter went to C. E. Winters, Hepburn, Iowa, at $340; Chas. Sornson, Audubon, Iowa, took Lomas Model Prince at $385; Village Masterpiece went to Lewis Hersberg, Atlantic, Iowa, at $300; Fairview Glester 6th to Harper Brown & Son, Corning, Iowa, at $300.

The thirty-fourth annual sale of the Interstate Shorthorn Breeders Association was held at Sioux City, Iowa, March 10-11, with the largest gathering of breeders that has ever attended one of these sales. The very capable secretary, Frank E. Jackson, had done a wonderful work in cataloging the greatest lot of Shorthorns that has ever been sold in one of these auctions, and the sale itself was by far the best ever made in the history of this association. Fifty head of bulls sold for $21,270, or an average of $417 per head. Sixty head of cows and heifers sold for $18,870, or an average of $314.50, and the 111 head sold for $40,140, an average of $316.62. The top of the sale was a bull and a heifer, the bull from the Dr. A. Donahue herd and the heifer from the Holtz Bros. herd. They sold for $1,500 each, the bull going to Bruno Bochman, Holstein, Iowa, and the heifer to Gilbert Pfeiffer, Indianola, Iowa. The bull was the reserve champion of the show. Doctor Donahue also sold the champion bull of the show to John Charlbaum, Everly, Iowa, at $1,015. Frank Jackson sold to Art Ahrens, Hartington, Neb., Western Edelman, for $1,310. C. A. Weaver, Larrabee, Iowa, took the Marvin Smith bull, Peerless Prince Mercury, at $800, and Johnson Bros., Tyler, Minn., took the Assumption Bros. bull, Commander's Pride, at $750. Wm. Shefflebaum, Clear Lake, S. D., took the Rudy Egger bull at $710, and Paul Huss, Cedar Rapids, Iowa, took the Carl Retzlaff bull, No. 23, for $675. John Saunders & Son sold Cumberland Ransom to Eck Helm, Alta, Iowa, for $650, and Cumberland High Ransom to Russie Bros., Bancroft, S. D., at $510. The champion heifer of the show was Golden Chain 58th, also from the Carl Retzlaff herd, and she went to Howard Dietz, Wakarusa, Kan., at $725. The reserve champion heifer, from the McCone herd, went to John Stammes, Garrett, Minn., at $550, and Goldie 84th, from the same herd, went to H. N. Harrison, Washta, Iowa, at $575.

The Eastern Iowa Polled Shorthorn show and sale, at Cedar Rapids, Iowa, March 12, was very successful. Lawrence Falcon, Rowley, Iowa, made the awards. The grand champion bull came from Smith & Talbet, Lock Springs, Mo., and sold for $390 to Oscar L. Larson, Albert City, Iowa. The reserve champion was shown by H. C. Wagner, Bennett, Iowa, and sold for $370 to Harvey Kleppe, also of Bennett. The grand champion female was shown by Glenn Yoakum & Son, Keswick, Iowa, and sold for $250 to Vernon A. Paustian, Tipton, Iowa. The reserve champion was likewise a Glenn Yoakum & Son entry and sold at $210 to J. C. Wahls, St. Olaf, Iowa. The 17 bulls made an average of $295, with 35 females at $229 and 52 lots at a general average of $250. Earl S. Girton was manager.

4th Iowa State
GUERNSEY SALE
STATE FAIR GROUNDS
DES MOINES, IOWA
WEDNESDAY, APRIL 30th

62 HEAD—55 selected Females, 7 outstanding Bulls. 24 outstanding herds from Iowa and 8 invited out-of-state herds will contribute to this fine offering of good **Guernseys.** A number of good 4-H heifers in the sale. 20 cows, 20 of the best bred heifers ever to be sold in a state sale and 15 heifers breeding age plus ... with records well in the 700-lb. class. ... Bridge, Curtiss Candy, Skyline, McDonald, St. Albans, Jo-Be, Oakvale, and Olaf ... will bring generous consignments. COME. Ask for FREE catalog. Please mention this publication. Address

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50-FOOT HOSE INCLUDED WITH ALL NECESSARY SPRAYING ACCESSORIES

SHATTERPROOF, STAINLESS-STEEL TANK TESTED AT 175 LB.

SPRAYS WEED KILLS ORCHARD SPRAYS DISINFECTANTS WHITEWASHES INFLATES TIRES

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WISCONSIN COMBINATION SALE

Sale Pavilion

WAUKESHA, WISCONSIN

Saturday, April 26, 1947

75 head of registered Guernseys. Nearly all the females are cows or heifers, fresh, springers or bred for fall freshening. These cattle come from 15 herds in 11 counties of Central Wisconsin, and choice bull calves from Curtiss Lady Co., St. James Farm, and Wex Acres. 6 bulls in all. 10 to 15 months old. About half of the cattle in sale are calfhood vaccinated and other from herds all Bangs free enough for vaccinates not yet turned negative. Most of the animals in the sale are strong in popular Mead lines. Maxim, Boulder Bridge, Flying Horse, King of the Meads, Langwater, Lady St. James, Wex Acres and other popular lines. Cattle have been selected for production and individuality. For catalogs send to

PHILLIPS SALES & PEDIGREE SERVICE

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CHARLES L. HILL & SON, Sale Mgrs.

Rosendale, Wisconsin

Eastern Iowa

GUERNSEY SALE

Sale Pavilion

WELLMAN, IOWA, APRIL 17th

70 Head

10 REGISTERED BULLS
20 REGISTERED FEMALES
40 HIGH GRADE FEMALES

35 head of fresh cows, all Bangs tested or calfhood vaccinated. This is the largest GUERNSEY SECTION in the state. Plan to attend. Ask now for **FREE** catalog. Please mention this publication. Address

P. M. SWARTZENDRUBER

Wellman, Iowa

Annual Spring Sale

IOWA-NEBRASKA BREEDERS REGISTERED MILKING SHORTHORNS

COUNCIL BLUFFS, IOWA

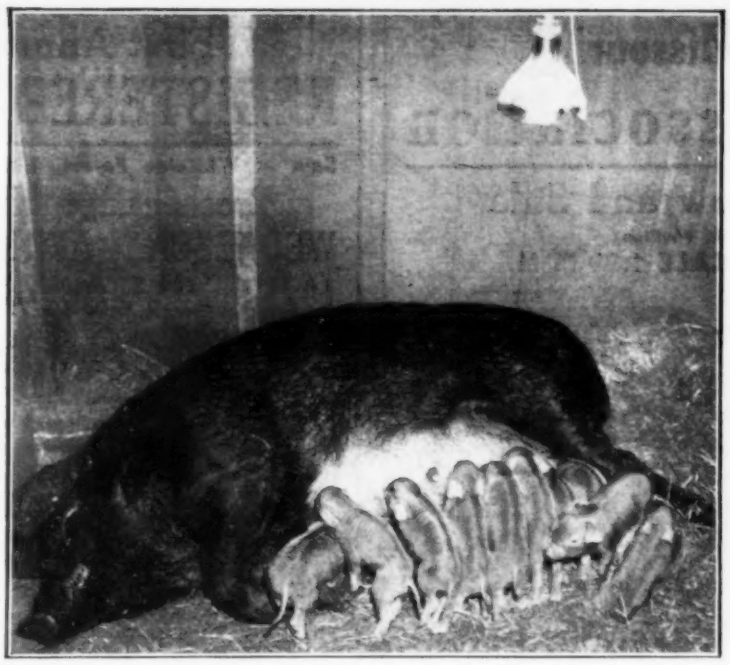
Wednesday, April 30, 1947

60 HEAD

25 bulls from baby calves to serviceable ages. 20 females, including many good heifers and heifer calves. A few Polled Milking Shorthorns, both sexes. Offering T.B. and Bangs tested. Write for catalog.

H. C. McKELVIE, Sale Mgr.

COUNCIL BLUFFS, IOWA



Infra-Red 250-watt heat lamp, which hangs in the center of the pen keeps this litter of 10 purebred Durocs nice and warm at all times. They seldom pile up because they don't get chilly.

LIVESTOCK NEWS

The sixty-second Marshall county show and sale, at Marshalltown, Iowa, March 17, under the able direction of Geo. H. Lewis, was most successful. H. W. Packer made the awards in a very capable manner. The champion bull was Super Renown, owned by Gilbert Piffer, Indianola, Iowa, and sold for $435 to A. J. Murphy, Reinbeck, Iowa. Golden Champion, a Geo. H. Lewis entry, was the reserve champion and sold for $225 to Arthur Anderson, Carpenter, Iowa. The top bull was Propaganda Bearer 3d, from the E. L. Williams herd, and sold for $500 to Greeley Craven, Malcolm, Iowa. The champion female, Village Miss Beauty, from the Ellis Stavely & Son herd, sold for $255 to Carl Carney, Springville, Iowa. Brawith Beauty 2d, shown by Ellis Stavely & Son, a May heifer calf, sold for $235 to Gilbert Piffer. The top female was Crailstone Baroness 6th and red heifer calf, which sold for $440 to Cowman Stock Farm, Prairie City, Iowa. The 25 females averaged $255, with 28 bulls at $311 each, and the 53 lots at a general average of $284. All went to Iowa buyers. Auctioneer was Clair Mason, and he did a fine job.

The Iowa Holstein Breeders spring sale, at the Dairy Cattle Congress, Waterloo, Iowa, March 18, brought out a very large crowd. The sale committee—A. J. Hansen, Alfred Raper, Minard Lein, R. C. Brown and I. P. Stewart—deserves much credit for getting together such a splendid offering. The top female was Lot 43, a two-year-old from the herd of A. J. Myer and Herb Nauholz, Maynard, Iowa, and sold for $560 to J. G. Desotel, Dows, Iowa. Lot 45, from the same herd, another two-year-old, sold for $550 to the same buyer. Lot 51, from the herd of Marion McCarthy and Taylor Briggs, Oelwein, Iowa, brought $515 and went to Allen Robertson, Walcott, Iowa. The 24 bred cows and heifers averaged $367.75. The top bull, Lot 20, a March yearling from the J. P. Rasmussen & Son herd, Maynard, Iowa, sold for $400 to Martin & Llenau, Waucoma, Iowa. The 19 bulls averaged $274.50. The Iowa Holstein Breeders selected 25 beautiful top 4-H Club heifers and offered a 20 per cent discount to the 4-H and FFA members who qualified for the club work and bought heifers. They were mostly September, October and November heifers. The top was Lot 57, from Spies & Lein, Graettinger, Iowa, and sold for $360 to C. Keith Kerr, Postville, Iowa. Lot 18, from the Folmer C. Hansen herd, sold for $340. The 25 heifers averaged $241. Auctioneers, J. E. Mack and J. E. Halsey.

The sixth annual Marion County Hereford show and sale, at Knoxville, Iowa, March 14, under the able management of Walter L. Brown, brought out a good attendance. The awards were made by Fred Anderson, Morris, Ill., and Wood Harris, Harris, Mo. The champion bull, C. Bocaldo Lad 38th, was shown by Dale Core, and sold for $800 to E. A. Schaeffer, Fort Madison, Iowa. Robert Rupert, owned by Alva Chandler, was reserve and sold for $485 to E. A. Schaeffer. J. Jupiter Domino 7th, from the Joe M. Johnston herd, sold for $750 to Wm. Welch, Knoxville, Iowa. C. Bocaldo Lad 40th, another Dale Core entry, went for $525 to A. E. Schaeffer. Mischief Domino 21st brought $400, and was secured by Carl L. Harden, Pleasantville, Iowa. The champion female was Miss Mischief Tone 11th, from Perrin Farm, and sold for $450 to Yocam farm, Chariton, Iowa. The reserve champion was Miss Mischief Tone 7th, another Perrin entry, and sold for $300 to Bramer & Plagman, Cumming, Iowa. Via Torrette 18th, shown by Mervin L. Zeller, sold for $415 to Hugh Denney. Rose Hill Donna Rupert, owned by Goff & Spiker, brought $400, and went to Yocam Farm. C. Bocaldo Lass 36th, from the Dale Core herd, went at $400. The 26 bulls averaged $335, with 47 females at $274 and the 73 lots at a general average of $300. All went to Iowa buyers. Auctioneer, J. E. Halsey.

The Iowa Hereford Cattle Breeders Association sale was held at Sioux City Iowa, March 17, with a good attendance, and 56 head of bulls were sold at an average of $377 per head, with a top of $725 on Beau Blanchard 3d, consigned by Wallace Shirley & Sons, Hamburg, Iowa. He went to Dick Hinkeldey, Alta, Iowa. Husker Lamp 9th was sold to John Baker, Riverton, Iowa, at $650. David Schon, Jr., Red Oak, Iowa, sold Mischief Stanway 6th to C. Johnnsen & Son, of Hartwick, Minn., at $615. The Mischke Hereford Ranch sold seven or eight very nice bulls in this sale, the top of which was Heritage Domino 2d, and he went to Fred J. Harms, Le Mars, Iowa, at $590. Eleven heifers were sold at an average of $256. This was a good offering of Herefords and it was a very satisfactory sale. Charlie Corkle did the selling.

HERE'S AN ATTACHMENT YOU HAVE BEEN WAITING FOR

LIFEGUARD OUT IN FRONT TRACTOR HITCH

DESIGNED TO FIT ALL FARMALL TYPE TRACTORS

It's new and just what every tractor owner needs. Models to fit Farm-All, Deere, Allis-Chalmers, Case, Oliver, and other popular makes. Will not damage the tractor. Made of heavy sheet steel and finished to match the tractor. It requires only a few minutes to attach with bolts that go through and fit into the holes in the tractor frame. It becomes a part of the tractor itself. Its color is the same as the tractor. It will last as long as the tractor.

Ideal for any bucking pole operation, for attaching additional equipment, add extra weight, etc., and will help prevent accidents.

If your implement dealer does not have LIFEGUARD OUT-IN-FRONT TRACTOR HITCH, write now for details and prices. Mention type tractor.

KEWAUNEE ENGINEERING CORP.

KEWAUNEE • WISCONSIN

Closeout Bib Overalls

We were fortunate to obtain limited quantities of factory irregulars of blue and Fischer stripe overalls

Sizes 32-46. Length to 32

Blue Denim 802. Per Pair **$2.98**

Fischer Stripe 1002. Per Pair **$3.10**

No Refunds—Size Exchanges Only

NATIONALLY KNOWN SHEETS AND PILLOW CASES

72 x 108 Sheet, 140 Count, Each	$2.98
81 x 99 Sheet, 140 Count, Each	$3.20
81 x 108 Sheet, 140 Count, Each	$3.30
36 x 45 Pillow Cases, 140 Count, Each	$ .69
600 x 16 New Tire, Tax Paid	$14.80
Bench Vise, 4½" Jaw 7 Opening	15.45
Russet Leather Bridle	3.95
Team Breeching Harness	56.50

Add 20c for postage and handling

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177 E. Kellogg Street St. Paul 1, Minn.

Continental **POST HOLE DIGGER**

Save weeks of back breaking work with the Automatic Continental. Fits any make of tractor with rear end power take-off. Operates from tractor seat . . . put it on or off in ten minutes . . . adjustable for side hill conditions. No sprung frames. Write for literature to

CONTINENTAL FARM MACHINE CO.
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ONE-MAN OPERATED

For Most 4% Milk

Ayrshires are big, economical producers of 4% premium milk

Write for literature and list of breeders near you with stock for sale

Ayrshire Breeders' Association
47 Center St., Brandon, Vt.

RAISE AYRSHIRES

WANT TO BUY

WILD RED FOX PUPS

Paying top prices.

ERDAHL FOX FARM
BLUE EARTH, MINNESOTA

PAW TUCKER—We Hope Paw Has Some Spring Left In Him, Too!

Northeast Missouri
Hereford Association

8th Annual Show and Sale

In Comfortable Sale Pavilion

SHOW 9:00 A. M.—SALE 1:00 P. M.

Judge: Sam B. Marting

Memphis, Missouri
Friday, April 25

80 HEAD

20 Bulls - 60 Females

One of the finest offerings ever presented by these breeders. Bulls all ready for service and include many of herd-heading ability. The females are a grand lot—many cows with big, fine calves by great herd sires. Many are rebred. Several choice bred cows and heifers and a most attractive lot of open heifers. The consignors are:

H. S. Amborsia, Willmathsville, Mo.
W. E. Baker, Memphis, Mo.
Clifford Bell, Jr., Pulaski, Iowa
John R. Botts, Hurdland, Mo.
B. M. Burns, Milton, Iowa
S. Burns & Son, Pulaski, Iowa
Chas. H. Cook, Downing, Mo.
C. Clifford Croy, La Belle, Mo.
Don DeVoss, Cantril, Iowa
J. W. Dunn & Son, Greensburg, Mo.
Norris E. Gaffney, Memphis, Mo.
J. W. Garlock & Son, Gibbs, Mo.
Geo. E. Leslie, Jr., Memphis, Mo.
Chas. W. Marshall, Moberly, Mo.
F. G. & D. L. Miller, Stahl, Mo.
McCalment Farms, Lucerne, Mo.
Dr. R. H. McCalment, Unionville, Mo.
Jamie Naggs, Lancaster, Mo.
Kester Phelps, Kirksville, Mo.
R. G. Ranney, Shelbina, Mo.
W. E. Roberts, Troy, Iowa
R. C. Shores & Son, Shelbyville, Mo.
Arthur Small, Rutledge, Mo.
Spring Creek Ranch, Green Castle, Mo.
Eldred Wells, Williamstown, Mo.

We had a crop in this section last year and the inspection committee says this is very evident in the condition of the offering.

The large number affords a wide selection in high class breeding cattle. It will be an ideal place to purchase cattle. Make plans now to attend. Ask for the **FREE** catalog and please mention this publication when writing. Address

GEO. E. LESLIE, Jr., Secy., MEMPHIS, MO.

Auctioneer, Roy Johnston Chas. H. Cook, Pres. J. E. Halsey, Fieldman

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TENTH ANNIVERSARY ANNUAL SPRING SALE

MARION COUNTY
ANGUS SALE

To be held in comfortable sale pavilion

Knoxville, Iowa, Monday, April 28

113 HEAD—22 TOP BULLS, 91 EXCELLENT FEMALES

One of the choice bulls in the sale

A mere sample of the high-class females selling

One of the strongholds for Aberdeen-Angus cattle in America. The dam of the 1947 Iowa State sale champion female was bred in **Marion County** and the dam of the champion bull was sired by a **Marion County** bull. This grand offering has been selected from 25 leading herds in a leading Angus state. The 22 bulls will please those looking for a herd bull; most all ready for service. There are 91 females, 41 cows, many with calves at foot—others heavy in calf. 50 heifers, two years and under—some bred—others open.

The Consignors are:

T. D. BANE
BANKS & BANKS
RAY CLINE & SON
CLYDE M. CORE
J. M. DAVIS & SON
RAY DYER
LEO DYKSTRA
P. W. EGGERS & SONS
O. O. EMERSON & SON
C. S. HARVEY
EUGENE HARVEY
CLIFFORD HARVEY
JIM MART & SONS
EDD MURR
ROBERT OVERTON
J. K. RODGERS
C. E. SHAWVER
CLARK SMITH
RANDALL SMITH
ZENARD SPAUR
GERRITT VAN HAALEN
ABE VAN RHEENAN
ARCHIE VERNON
CORWIN WHITLATCH

FAMILIES

Elba Queeny
Eisa Erica
Enchantress Erica
Finlang Elba
Miss Burgess
McHenry Barbara
Blackcap
Georgina
Queen Mother
Pride of Aberdeen

The offering sired by some of the greatest sires—females mated to top bulls. A class of cattle that will work breed improvement. All **T.B.** and **Bangs** tested. Ask now for **FREE** illustrated catalog, mentioning this publication. Address

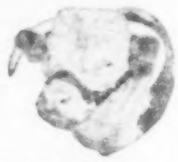
HERBERT CLINE, Secy., BUSSEY, IOWA

Auctioneer, Roy Johnston J. E. Halsey, Fieldman

First Annual Draft Sale
REGISTERED HEREFORDS

Sale at Whitelen Farms, 3 miles southwest

Breckenridge, Missouri
WEDNESDAY, APRIL 23, 1947



109 Head 100 BRED AND OPEN HEIFERS
9 CHOICE YEARLING BULLS

I have recently added to my Missouri Farms, the Whitelen Farm, consisting of 1,800 acres of land near Breckenridge, Missouri. Along with the farm I purchased the registered herd of Herefords, numbering over 450 head. This sale will be the initial offering in what I plan to become an annual series. The Whitelen herd of Herefords was established in 19[illegible] and is well known to Hereford breeders throughout the country. While the breeding program on this farm has centered around Hazlett family lines, other well known Hereford blood lines have been introduced from time to time. The blood lines offered in this sale are representative of Hazford Rupert 72d; Bright Domino 1st; Mischief Lamplighter 116th; Imperial Lamplighter 5th; and Ozarkwood. The cattle in this sale are in good breeding condition, ready to go into any herd and give a good account of themselves. **T.B.** and **Bang's** health certificates furnished on each animal. Write for **FREE** catalog. Please mention this publication. Address **HEREFORD JOURNAL, Graphics Art Bldg., KANSAS CITY, MO.**

J. C. PENNEY MISSOURI FARMS

Registered Hereford Division
HAMILTON, MISSOURI

J. C. PENNEY, Owner
330 W. 34th Street, New York 1, N. Y.

JOE J. ALLEN, Manager
Breckenridge, Missouri

Auctioneer, A. W. Thompson

Chester White Sale

To be held at

MARYVILLE, MO., APRIL 12, 1947

NIGHT SALE—7:30 P. M.

50 FALL GILTS—10 FALL BOARS

Choice well grown boars and gilts sired by **LISLE PILOT**, the highest priced fall boar ever sold in the breed, by **Alfalfa Sensation**, one of the greatest boars I have ever owned and **MARYVILLE TIP TOP**, sire of many of my prize winners. This is the best offering I have ever put through a sale ring. Many real show prospects. Plan now to come. Ask for **FREE** catalog. Please mention this publication. Address

JOSEPH MADDEN, MARYVILLE, MISSOURI

Auctioneer, Bert Powell

MIDIOWA SPRING HEREFORD SALE

SECOND ANNUAL SHOW AND SALE

SHOW, 9:00 A. M.—SALE, 12:30 P. M.

Marshalltown Livestock Auction Barn

MARSHALLTOWN, IOWA, MONDAY, APRIL 28th

72 HEAD—37 BULLS, 35 FEMALES

A splendid offering drawn from 21 herds. The 37 bulls include much herd bull material, a few proven sires, many long yearlings and younger prospects. The 35 females are a pleasing consignment. Several cows with calves at foot, bred two year olds and a fine lot of yearlings, several heifer calves suitable for 4-H Club Classes this year.

MIDIOWA members won reserve champion, 3 first, 9 seconds, and 7 thirds in strong competition at 1947 Iowa State Hereford Association Show and Sale, Des Moines. The 10 top head consigned by MIDIOWA breeders averaged $1,270.00. This indicates the quality of our 72 head listed for this sale. You will find TOP WHR. MISCHIEF STANWAY, BATTLE MISCHIEF and PIONEER breeding represented. Plan to attend. Ask now for **FREE** catalog. Please mention this publication. Address

MRS. HAROLD J. PETERSON, Secretary, LISCOMB, IOWA

5th Draft Sale of Registered Angus Cattle

HAMILTON, MISSOURI (Highway 36)
APRIL 15th, 12:30 p. m.

69 HEAD—*10 Bulls, 59 Females*

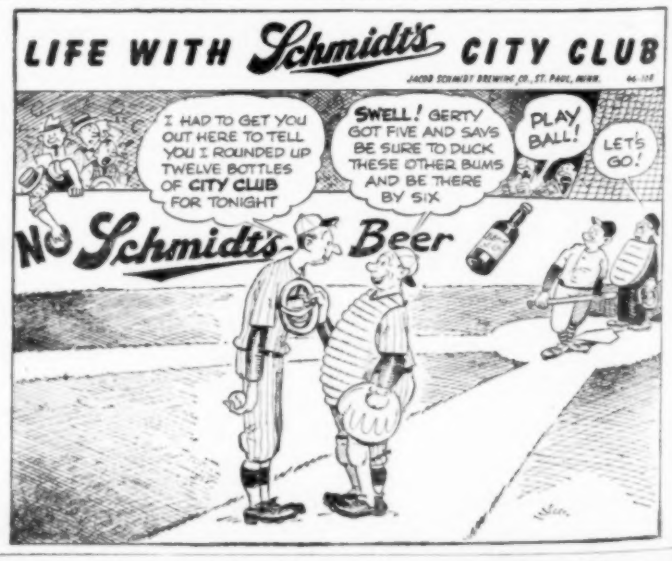
29 bred to EILEENMERE 487th, our $36,000 bull. 11 bred to BELL BOY W. 28th, our $10,000 bull. 15 bred to ENVIOUS OF HAMILTON, a wonderful sire. Six young bulls by "487th"; four by Bell Boy W. 28th. For free catalogue write to Aberdeen-Angus Journal, Webster City, Iowa.

PENNEY AND JAMES

Branch of J. C. Penney (Missouri) Farms

J. C. PENNEY
330 W. 34th St., New York 1, N. Y.
Auctioneer, Roy Johnston

ORIN L. JAMES
Hamilton, Missouri
J. E. Halsey, Fieldman



Advertisement

From where I sit ... *by* Joe Marsh

Mystery of the Rocking Chair

Ma Hoskins has a favorite rocking chair that's worn and shabby, with a noisy creak. Pa Hoskins has listened to that squeak for thirty years . . . and he decided to do something about it. So he bought a new rocker, and hid the other in the barn.

Ma allowed as how grateful she was . . . but when Pa missed her one afternoon, he heard a familiar sound that led him out back to the barn. There was Ma rocking happily in her old chair—squeak . . . squeak . . . squeak.

No need to tell you how Pa felt. Quick as a wink he hid the new rocker and then later on, ran out to the barn and brought Ma's old chair back to the house. Now when he hears that squeak, he looks at the mellow glass of beer he's drinking and says to himself: "She's just as entitled to her small pleasures as I am."

From where I sit, that's one of the big reasons the Hoskinses are one of the happiest, oldest-married, and peacefulest folks in our town

Joe Marsh

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North Central
Missouri Angus Breeders

Our Annual Spring Show and Sale

In Comfortable Pavilion

Chillicothe, Missouri

Wednesday, April 16, 1947

70 HEAD - - 15 Bulls 55 Females

An excellent offering selected from the best herds in this section. **"The Home of Great Bulls,"** choice cows and calves—bred cows and heifers and open heifers. All rich in pedigree. The consignors are:

Lewis Anderson	**Chillicothe**	**J. A. Noble**	**Brookfield**
E. H. Anderson	**Chillicothe**	**L. C. Thornton**	**Maysville**
Daniel Gates	**Jamesport**	**Penney & James**	**Hamilton**
Homer Alexander	**Chillicothe**	**Wayne Sallee & Son**	**Meadville**
Harlan Bros.	**Huntsville**	**Wilbur Cole**	**Bethany**
Thomas Gaston	**Bosworth**	**A. C. Flint**	**Bethany**
Ernest Bittiker	**Bosworth**	**Chas. Wischnapt**	**Avalon**
J. W. Rea	**Carrollton**	**Miller Buren**	**Princeton**
Clark Linton	**Chillicothe**	**Harry Stephens**	**Hale**
Ralph L. Smith	**Lees Summit**		

This will be an ideal place to secure well-bred cattle, the large number affords a wide selection. All are **T.B.** and **Bangs** tested. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address

Lewis Anderson, Secretary, Chillicothe, Missouri

NORTH CENTRAL MISSOURI ANGUS BREEDERS

Auctioneer, Roy Johnston J. E. Halsey, Fieldman

ADEL HEREFORD SALE

In comfortable pavilion, located only 20 miles west of Des Moines, Iowa, at

ADEL, IOWA, SATURDAY, APRIL 19th

45 HEAD

25 Bulls Serviceable Age
20 Females—mostly heifers
HORNED AND POLLED HEREFORDS

Choice bulls, both **Horned** and **Polled Herefords**, ready for immediate service. Some excellent prospects. The females include cows with calves, bred cows and heifers and desirable open heifers. They are consigned by the following:

J. A. Stovall, New Sharon, Iowa; A. Cecil Walker, New Virginia, Iowa; Albert Eads, Truro, Iowa; C. H. McKinney, Afton, Iowa; Doyle Bedwell, St. Charles, Iowa; Glen Z. Randau, Ames, Iowa; Franks & Seward, Peru, Iowa; Joe W. Lacina, Grinnell, Iowa; Mason Leonard, Waukee, Iowa; H. L. Ross & Son, Earlham, Iowa; Ray O. Stark, Boxholm, Iowa; R. C. Mack, Truro, Iowa; Tracy Bros., Peru, Iowa; Frank and Ralph Binder, St. Charles, Iowa; Leon E. Joy & Sons, Ames, Iowa; Harvey C. Davis, Orient, Iowa; Albert DeWitt & Son, Peru, Iowa; Grimes Hereford Farm, Grimes, Iowa; Simpson Polled Hereford Farms, Diagonal, Iowa; Earl Gray, Dexter, Iowa; Marshall E. Mack, Grand Junction, Iowa, Frank Heesing, Lamson, Iowa.

An excellent opportunity to select cattle that will please from well known herds. The blood lines are the best, individually they will please. All the cattle will be tested for **T.B.** and **Bangs**. Plan to come. Ask now for **FREE** catalog. Please mention this publication. Address

ALBERT DeWITT, Sale Mgr., PERU, IOWA

Auctioneer, J. E. Halsey M. T. White, Fieldman

U. S. SAVINGS BONDS BOUGHT NOW MEAN SECURITY LATER

EVERGREEN STOCK FARM

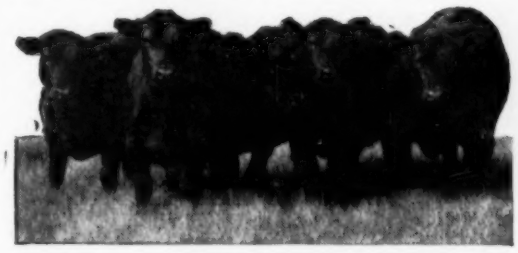
ABERDEEN ANGUS

Sale at farm, located 6½ miles west of

MARSHALLTOWN, IOWA

Monday, April 21st, 1947

75 LOTS—45 Richly-bred Females, 25 Splendid Bulls



A select draft from one of the best herds of the breed, where high-class cattle, displaying **quality** and **type** have been produced for years.

THE FEMALES, a wonderful lot, 45 head, with 20 beautiful bred heifers. 10 are daughters of **MERCERMERE**, and 10 daughters of **EFFIMERIAN**. 25 choice bred matrons. 10 of them are bred to **EFFIMERIAN** and 5 bred to **MERCERMERE** and 10 bred to **REVOCAP M. 851688**, an outstanding Sunbeam bull. The families include **EVERGREEN, CRIDLAN, ELBA, ENCHANTRESS,** and **EISA ERICAS, McHENRY BLACKCAP** and **PRIDES.** Nothing finer in blood lines.

THE BULLS, 25 head, a great lot of high class herd bull material. Included are **MERFERMERE 650116**, a grandson of the International Grand Champion **EILEENMERE 85th**, and **EFFIMERIAN 748004**, a grandson of **Eileenmere 85th**, and **REVOCAP M. 851688**, a great grandson of **Black Prince of Sunbeam.** The progeny of the above sires in the auction are evidence of their ability as sires. You will like them. There are 11 two-year-old sons of **MERCERMERE** and 11 yearling sons of **EFFIMERIAN.** You can find bulls that will please the most critical buyers.

Those in the market for something choice and well bred can find females of foundation character, the sort that will please and bulls for herd heading purposes. Cattle of show-yard merit. Plan to attend.

Ask now for the **FREE catalog.** Please mention this publication. Address

WALTER & J. R. WILKINSON, MARSHALLTOWN, IOWA

Auctioneer, Roy Johnston J. E. Halsey, Fieldman

AN OPPORTUNITY
—TO BUY—
ABERDEEN-ANGUS

Saturday, April 26, 1947

OXFORD, IOWA

100 Lots

One Mile East on Gravel Road in Comfortable Pavilion. 15 Miles West of Iowa City

60 Cows, many have calves now, balance will calve shortly after sale. 35 Yearling Heifers, some are of breeding age, balance will be ready to mate to your bulls this fall.

5 Bulls, including a top notch **McHenry Barbara 13th** by Juliandale, considered one of the best calves to sell this season, along with 2 good herd bull prospects and two bulls ready for heavy service.

This sale probably offers more **McHenry Barbaras** than any other sale of the year through **Barbara McHenry 13th, Barbara of Rosemere** 131205, and **Barbara McHenry 18th** 71677.

Also included are **Elslow Evergreen,** the most sought-after **Evergreen** tribe; **Brookside Elunas,** the family the late P. J. Donohoe considered one of his tops; line bred **Eborea Elba,** another family that has produced some of the best individuals. This particular tribe has produced many show winners. Also **Blinky Burgess, Blackcaps, Trojan Ericas** and **Blackbirds.**

We have been using extra good bulls and raising modern type cattle for 30 years. This herd was built with careful selection from only the best blood lines from the most prominent breeders.

Write for the catalog. Address

Burns Brothers & Sons

OXFORD, IOWA

Roy G. Johnston, Auctioneer M. W. Boney, Fieldman

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DES MOINES • • • • • IOWA.

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No. 21—Adjustable neck chain. Numbered both sides. $11.50 per doz.
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Sample mailed for $1.00—Write for folder.
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BELGIAN STALLION
Four-year-old. Also Belgian and Percheron colts.
DAIRY BULLS
Calves from 2 to 8 months of age of the Holstein, Guernsey, Jersey, Brown Swiss and Ayrshire breeds.
Animal Husbandry Department
IOWA STATE COLLEGE, AMES, IOWA

110 WALKING HORSES
PLEASURE AND SHOW MARES
GELDINGS, STALLIONS AND COLTS
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Posted on all the breeds. Have sold for many of the most noted breeders in the middle-west. Write me for dates. Address
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MASON CITY, IOWA

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Beautiful Holstein, Swiss and Guernsey bull and heifer calves. Registered and grades. Good breeding. Reasonable. Will ship on approval.
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Leading blood lines, lots to suit.
High Grade JERSEYS.
SHAWNEE CATTLE CO. DALLAS, TEXAS

POLLED HEREFORDS

POLLED HEREFORDS
Offering several grandsons of Noted **HAZFORD RUPERT $15L**, International grand champion and sire of champions. Quality and breeding. Reasonable prices.
WM. McARTHUR & SON, MASON CITY, IOWA

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BUILDING A BETTER INCOME
Your success is based on knowing good producing dairy type. The folder, "A Standard of Excellence", includes 21 color photographs, to help you select high producing animals. Send today for your FREE copy.
THE AMERICAN GUERNSEY CATTLE CLUB
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GUERNSEYS
OAKLAND GUERNSEY FARM, MUKWONAGO, WIS., offers 5 to 30 1-month-old Guernsey heifer calves at $35 each, delivered on approval. Also older heifers.

BUY BONDS AND STAMPS TODAY !!

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WISCONSIN GUERNSEYS
Month old heifer calves. Production bred—good color—satisfaction guaranteed. $35.00 each. C.O.D. on approval. All express charges prepaid. Order from this ad. CHANDLER DAIRY FARM, LAKE GENEVA, WIS.

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REGISTERED GUERNSEY BULLS
Serviceable age. Twelve year herd average of 418 lbs. butterfat.
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Three big Holsteins are the equal of at least five small producers, and require less total feed, less labor and less barn room. From Holsteins you get the most from each day's work and maximum use of all facilities. Holsteins are the PROFIT breed.

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Choice high grade Wisconsin Holstein and Guernsey heifer calves, month old $35.00; 5 to 6 weeks $40.00; seven to eight weeks $45.00; 9 to 10 weeks $50.00; 12 weeks $55.00. Prices include delivery to your farm by truck on approval in lots of five or more.
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HOLSTEINS
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H. R. LOBDELL MUKWONAGO, WIS.

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HEIFERS
All ages. Some bred. Good breeding. Sold on approval.
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JERSEY BULLS
Registered bull calves. Every calf from a good cow. Herd averaged 420 lbs. butterfat per cow for 13 years. Herd free T.B. and Bangs.
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Polk County Johnston, Iowa

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Until you have visited
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More than 200 registered cattle headed by sons of International Grand Champion Prince of Sunbeam. Write for free literature.
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COWS — HEIFERS — BULLS
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We have one tried bull and two sixteen months old; also five young bulls coming on. You will find foundation bulls in this herd. We specialize in top bulls. Paul Dreher, Mgr. R. R. No. 1.
FRED DREHER & CO. GRAY, IOWA

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For the average farmer, Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Free facts. Or subscribe to Milking Shorthorn Journal. Six months, 50c; one year, $1.00.

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MILKING SHORTHORNS
Because of ill health, retiring to smaller farm. Will sell nearly all the herd. **Bulls** 2 to 14 months old. **Females** 2 months to mature cows. Best of **Bates, Clay** and **Imported** English families, with highest milking ancestry possible to obtain. **Priced** to **sell**. Also **White Collie** Puppies, guaranteed natural heelers.
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Milking Shorthorn Cattle
Established 1892. Breeding Herds in Rock County, Wisconsin.
We offer quality young bulls from high producing RECORD OF MERIT Dams. Bulls serviceable age and calves. Visit herd—it speaks for itself in production and conformation. REASONABLE.
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JANESVILLE, Route 1 WISCONSIN

MILKING SHORTHORN BULL
Choice dark roan, 13 months old, dehorned and gentle. Backed by production records and best of breeding. Accredited Herd.
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Polled Shorthorn Bulls
Choice bulls by **CORONET ROYALIST**, a Thieman bred sire. They are 12 to 16 months old, thick and nice. Priced to sell.
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Outstanding herd bull, **OAKWOOD MAJOR GENERAL**, with 6 International Grand Champion Bulls in pedigree; also 6 roan bulls, serviceable age, sired by him. Reasonable.
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Champions, '46 International
. . . They top the market every year. Have more of the high priced cuts. Berks give you cheaper gains too — Make best use of pastures. Consume less grain per 100 lb. gain, as shown in College tests.
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MALE HOGS
Ready for service, weighing 51 lbs. at 56 days of age. Also some that will be ready for service for May and June.
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REGISTERED BERKSHIRES
Sired by Champions out of Champions. SHORT HEADED, low down, feeder type. 200 all ages. Large litters. Special Offer to 4-H, F.F.A.
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SUNNYCREST FARMS
Have a few very choice **CHESTER WHITE** fall boars for sale sired by **SILVER LINER** and **WARNER KINGS SON.** Will weigh near 200 lbs. Come and see them or write for information. Prices reasonable.
R. A. RIEMENSCHNEIDER
2½ mile east of KINGSLEY, IOWA

CHESTER WHITE GILTS
Bred to **H. Balanced Rite**, Grand Champion boar at the 1946 Spencer fair, for March and April farrow. These gilts sired by **Stylish Type** and **Ideal Model 1st.** Also several outstanding fall boars for sale.
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DUROC BOARS AND GILTS
By proven sire, **KING OF ORIONS**, by **KING ORION** out of excellent dams. Good type and quality, well-grown. September farrow. Several herd boar prospects. Reasonably priced.
2 miles east, 2 miles south, 2 miles east, 2½ miles south of Nevada, or 4 miles north, 3 miles west, ½ mile south of Collins.
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PUREBRED
DUROC FALL BOARS
ready for service. Sired by **PATHMAKER**, a sire of easy feeding thick type Durocs. Vaccinated and guaranteed; also a few open fall gilts. Write or visit the farm.
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PUREBRED DUROC FALL PIGS
Either sex, by **LOW SET SPECIAL**, by the Champion **LOW SET** and **PERFECTION** by Chaney's Jr., full brother to 1944 Nat'l Jr. Champion. Size, smoothness and feeding quality from good litters.
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We are now offering
PUREBRED HAMPSHIRE FALL BOARS AND OPEN GILTS FOR SALE
These are sired by Phil's REAL MODEL 337529, a grandson of PRIVATE TRUST and MARY KAY. These are large, rugged, well balanced pigs that are prospects of real herd sires. Priced for quick sale.
Phone Blencoe 6-F-13 or write
PHILIP JOHNSTON & SONS ONAWA, IOWA

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Looking for a top boar? This Sept. 1st litter with four boars has smoothness, is thick, low set and showy. You purebred breeders come see them. 20 miles southeast of Ames.
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NEW! DIFFERENT! DISTINCTIVE MARKINGS!
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HEREFORD BOARS and GILTS
Individuals sired by the Junior Champion boar at the 1946 Iowa State Fair. Also some top boars out of the Reserve Champion sow at Iowa state fair.
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Registered
MINNESOTA NO. 1 BOARS
From finest parent stock. 8 months old. Ready for spring breeding.
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September farrow. For size, quality and breeding, no man can offer you more, and our prices are right.
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I am now offering some of the best fall boars I have ever raised, sired by my noted herd boars and out of my best brood sows. Address
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SPOTTED POLAND CHINAS
50 head of Spotted Poland fall pigs. Boars and gilts. September farrow. Well grown, good, thick, deep bodies. Top blood lines, **SUPERMAN, SPOTLITE'S EQUAL.** Priced very reasonable. Satisfaction guaranteed. Write or see!
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Spotted Poland Bred Gilts
To farrow in April and May. They are sired by **STREAMLINER ACE'S**, a top son of **STREAMLINER** and **GOOD LUCK**, a son of **SPOTLIGHT**, and they are bred to **GOLD ROCK** 294181, a $550.00 son of **ROCKER** 268237. Priced reasonable. Write or come and see them.
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Spotted Poland Boars
Choice fall boars and gilts by 46 SPECIAL out of dams by GOLD BOND. Thick, sound, low-down, easy feeders. Priced reasonable.
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Fall boars, mostly sired by Silver Tone and Silver Armour, sons of K. C. Chief. Several by Hawkeye Clipper. They are the low-down type, the kind in demand. Sows all sold for Mar.-April farrow.
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Fall boars and fall gilts for sale. These are good quality pigs, sired by the best of boars and out of quality sows. Will ship C.O.D. Write me at once. Address
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SPOTTED POLAND CHINA
FALL BOARS
Extra good, thick, low down type. They have a lot of quality and color. Nice head and ears. Well grown. Write to
F. L. JACKSON & SONS LYTTON, IOWA

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YORKSHIRE HOG SALE
APRIL 16th, 12:30 P. M., PEORIA, ILL
Imported direct from England and Canada, 80 head of bred gilts, open gilts and boars. Your opportunity to buy the best meat type, prolific Yorkshires. For catalog write
YALEHURST YORKSHIRE FARM
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"The Lean-meat Post-war Breed"
Bred gilts, pigs, unrelated boars. Illustrated circular.
YALEHURST YORKSHIRE FARM
PEORIA, ILLINOIS

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Purebred registered breeding stock of all ages for sale. Write for circular "W" and price list.
OAK VIEW FARM
MINGO, IOWA

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75 registered Imported Canadian Hampshire Bred Ewes; 2 to 5 year olds. Bred to outstanding stud rams. Same type ewes have been bringing $150 to $200 in Middle West this season. Priced for quick sale; $60 each 1 to 5 head—$50 lots 10 head; 5 year olds, $45 each. 10 registered 2-year-old Imported Hampshire rams, $60. Also 35 Imported registered bred Suffolk ewes. Farm 1 mile east Chariton, Highway 34. **Edmond Stone, Chariton, Ia.**

CORRIEDALE EWES
2,000 Young Corriedale Bred Ewes. Farmers' prices. 400 young black fall bred ewes. Will sell any number. 100 registered Corriedale bred ewes.
THOS. STONE CHARITON, IOWA

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Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO, IOWA

GENUINE ENGLISH SHEPHERD PUPS
(Heelers, no fooling.) (Year's trial.) Guaranteed. Training instructions. Males, females, spayed females specialty. (Several partly trained.)
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WANTED TO BUY
Good English Shepherd or Collie pups.
Write Box 1, Wallaces' Farmer and Iowa Homestead

SHEPHERDS, COLLIES
Heelers, Watch Dogs
ZIMMERMAN KENNELS
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GENUINE ENGLISH SHEPHERD PUPS
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
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DOGS Collie Pups, Rat Terriers, Shepherds, Cocker Spaniels, Scotties, Wire Terriers, Spitz, Airedales, White Collies. Also Trained Dogs. Prices Reasonable. Guaranteed.
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BEST YET
ENGLISH SHEPHERD PUPS
Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

PUREBRED
ENGLISH SHEPHERDS
Both parents natural heelers, watch dogs. Males $10.00; females, $8.00; spayed, $12.50. 30 days' approval.
CHARLES MILLER SHICKLEY, NEBR.

Coming Livestock Sales

ABERDEEN ANGUS

Apr. 11—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Apr. 13—Johnston Bros., Belton, Mo.
Apr. 14—Orville Ayes, Melbourne, Iowa, and W. W. Hill, Newton, Iowa; sale at Marshalltown, Iowa; C. G. Mason, Sale Mgr.
Apr. 15—Penney & James, Hamilton, Mo.
Apr. 16—Central Missouri Breeders, Chillicothe, Mo.; Louis Anderson, Secy.
Apr. 21—Evergreen Stock Farm, Marshalltown, Ia.
Apr. 22—Warren County Breeders Assn., Indianola, Iowa; Earl F. Lohr, Secy., Milo, Iowa.
Apr. 28—Marion County Breeders, Knoxville, Iowa; Herb. Cline, Secy., Bussey, Iowa.
Apr. 29—Iowa Southern Aberdeen Angus Sale, Osceola, Iowa; R. T. Bell, Mgr., Osceola, Iowa.
Apr. 30—Page County Angus Sale, Clarinda, Iowa; Neil Johnston, Secy., Clarinda, Iowa.
May 1—Minnesota State Sale, Luverne, Minn.; Clement C. Chase, Secy., Box 669, Pipestone, Minn.
Mar. 7—Lamoine Valley Assn., Macomb, Ill.; Bruce Bricker, Mgr.
Mar. 8—Southeast Iowa Breeders Assn., Mount Pleasant, Iowa; Dan Cash, Mgr.
May 9—Harrison County Breeders Assn., Bethany, Mo.; C. H. Thompson, Mgr., Hatfield, Mo.
May 12—J. F. McKenny, King City, Mo., and M. I. McCrea, Maryville, Mo.; sale to be held at Maryville, Mo.; J. F. McKenny, King City, Mo., Mgr.
May 13—Kratz-Swartz Sale, Marysville, Kansas.
May 19—Tall Corn Assn., Marshalltown, Iowa; C. G. Mason, Secy.
May 23—Southwestern Wisconsin Assn., Lancaster, Wis.; J. C. Perrin, Sale Mgr., Bloomington, Wis.
Mar. 28—Hoelscher Bros., Arcadia, Iowa; sale at Coon Rapids, Iowa.
June 7—L. R. Morford, Iowa City, Iowa, and H. Meredith, Searsboro, Iowa.
June 9—Wayland A. Hopley, Atlantic, Iowa.
June 10—South-Central Iowa Assn., Oskaloosa, Iowa; Clyde A. Hanna, Secy., New Sharon, Ia.
June 11—Harken Farms, Osceola, Iowa.
June 18—Eastern Iowa Breeders, Davenport, Iowa; Oliver A. Hansen, Mgr., Durant, Iowa.

HEREFORDS

Apr. 19—Adel Hereford Sale, Adel, Iowa; Albert DeWitt, Mgr., Peru, Iowa.
Apr. 23—J. C. Penney, Missouri Farms, Breckenridge, Mo.
Apr. 25—Northeast Missouri Breeders, Memphis, Mo.; Geo. Leslie, Jr., Secy.
Apr. 26—Breeders Sale at Osceola, Iowa; Wayne O. Burchett, Mgr., Grand River, Iowa.
Apr. 28—Midiowa Breeders Assn., Marshalltown, Iowa; Mrs. Harold J. Peterson, Secy., Lisconb, Iowa.
Mar. 21—Oscar C. Seviz, Walford, Iowa.
May 22—Wisconsin Hereford Assn., Madison, Wis.; Homer Graber, Sale Mgr., Mineral Point, Wis.
Mar. 26—Chas. Bianchi, Corner, Macon, Mo.
May 27—Bluegrass Breeders Assn., Bloomfield, Iowa; Glen Hazen, Mgr., Ottumwa, Iowa.
May 29—Thurlow Bros., LeRoy, Iowa.
June 3—Minnesota Assn. Show and Sale, Worthington, Minn.; Roland H. Abraham, Secy., Lakefield, Minn.
Sept. 15—Circle A Hereford Farm, Morris, Ill.

POLLED HEREFORDS

Apr. 9—Southeastern Breeders Assn., Oskaloosa, Iowa; Roy Van Henkelom, Secy., New Sharon, Iowa.
Apr. 19—Adel Hereford Sale, Adel, Iowa; Albert DeWitt, Mgr., Peru, Iowa.

SHORTHORNS

Apr. 29—Eastern Iowa Assn., Cedar Rapids, Iowa; Don Poppingroth, Mgr., Wellman, Iowa.
May 5-6—Sioux Empire Shorthorn Club, Sioux Falls, S. D.
May 26—South-Central Iowa Breeders, Knoxville, Iowa; J. M. Davis, Secy.
May 27—A. R. Fennern & Sons, Garrison, Iowa; sale at Marshalltown, Iowa.
May 30-31—Sni-A-Bar Farms, Dispersion, Grain Valley, Mo.; Merv F. Argerter, Sale Mgr., Seward, Neb.
June 2—Edellyn Farms, Wilson, Ill.
June 5—Minnesota State Sale, Mankato, Minn.; Paul Geisler, Secy., Blue Earth, Minn.
June 11—W. A. Cebel, Kansas City, Mo., and Bellows Bros., Maryville, Mo.
June 13—Lester Tomlinson & Sons, Traer, Iowa.
June 21—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.

MILKING SHORTHORNS

Apr. 12—Tri-State Milking Shorthorn Consignment Sale; Donald Chapman, Waukesha, Wis.
Apr. 30—Iowa-Nebraska Breeders Sale, Council Bluffs, Iowa; H. C. McKelvie, Sale Mgr.
June 28—Breeders Sale, Mason City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.

POLLED SHORTHORNS

May 24—Minnesota State Sale, Slayton, Minn.; M. H. Bassett, Mgr., Rushville, Minn.

DAIRY CATTLE

Apr. 17—Eastern Iowa Guernsey Sale; P. M. Sorensenbriber, Mgr., Wellman, Iowa.
Apr. 30—Iowa State Guernsey Sale, Des Moines, Iowa; Bill Hitz, Secy., Polk City, Iowa.

HAMPSHIRES

Apr. 10—Frantz Bros., Grand Junction, Iowa.
Apr. 11—Lettow Bros., Alden, Iowa, Night Sale of Fall Pigs at Iowa Falls, Iowa.

YORKSHIRES

Apr. 16—Valehurst Yorkshire Farm, Peoria, Ill.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.

We publish the first and third Saturday of every month. Copy for livestock advertising must reach our office 15 days before date of issue.

Livestock News

The Hultine and Bloomstrom Polled Shorthorn sale was held at Lincoln, Neb., on February 21, with a large gathering of breeders from different parts of the country, and it was a decided success in every way. They sold 23 bulls at an average of $503 per head and 35 females at an average of $444. The 58 lots made an average of $469. The top of the sale was the two-year-old heifer, Valley View Augusta 2d, and she went to the Cherry Hill Farms, Riestertown, Md., at $1,300. The same firm also took Lavender Violet 19th at an even $1,000, Collynie Good News 2d went to D. M. Latterdahl, North Henderson, Ill., at $905. The cattle were widely distributed, going to Iowa, Nebraska, North Dakota, Illinois, Ohio, Mississippi, Maryland, Missouri and Virginia. It was a good offering of cattle, well bred and in most excellent condition. Col. J. E. Halsey did the selling and Merv. Argerter, of the association, was the manager.

The Duroc Jersey sale of Knotek Bros. and H. C. Timm, at Muscatine, Iowa, February 25, was most successful. The top gilt, Lot 21, sold for $505 to Hedrick Farms, Hedrick, Iowa. Lot 65 went for $425 to S. C. Hagedorn, Royal, Iowa. Lot 1 brought $350, and was purchased by H. R. Gregory, Aurora, Ill. A fall boar pig, Lot 95, went for $155 to H. C. Whipple, Cumming, Iowa. The 52 gilts averaged $220.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

THIS IS THE TIME of year when a fellow feels like getting out and kicking up his heels like the cattle do when they first get out in the pasture. However, one should remember that field work is a little more strenuous than winter-time chores, and that aching backs and sore muscles will be fewer if the job is tackled accordingly. With modern-day equipment, it isn't necessary to work 24 hours a day to get the crop in the ground.

THE ABOVE mention of cattle on pasture should be a reminder that about the only value they get if turned out too soon is the exercise involved. At the same time, they may undo all of the work done last year in building up the stand of grass. Grass starts to make a healthy growth as soon as the weather warms up, but when cattle are allowed to graze too early, they get little value from the forage eaten. Better hold off a while.

FARMERS WHO SOLD bred gilts last month because the butcher market was too much of a temptation to pass up, probably would have been a lot wiser to raise those extra spring pigs. We've got plenty of corn to feed out all the pigs that'll be raised. And those same sows would likely have sold just as well a little later. The corn-hog ratio is such that pork production should continue to be a good business proposition.

IN WEST-CENTRAL IOWA, where good feeding practices and good livestock abound, Walnut Grove minerals have been a favorite for many years with farmers in Crawford county. Our representative, Perry Brogden, of Denison, reports farmers in his area balance home-grown grains with Walnut Grove and achieve excellent results. Just a few of these include Fred Keem, Howard and Earl Keem, Wm. Previtz, Vince Kating, Ed Eggert and Wm. Geering.

CONTOUR FARMING is growing in popularity because more and more farmers realize that such a practice not only saves precious top soil from washing down the river, but it also prevents loss of valuable plant nutrients. Purdue University agronomists have found that on rolling land during a three-year rotation, nutrients lost amounted to 50 pounds of nitrogen, 40 pounds of phosphate and 20 pounds of potash per acre.

REALIZING THE IMPORTANCE to their city of an improved agriculture, the Des Moines Chamber of Commerce is carrying on a project to focus attention on soil conservation and management practices. Farmers in eight counties will be eligible to submit their long-range plans and accomplishments. Proper land use and supporting soil and water management practices will be the major factors considered.

MEN WHO HANDLE Walnut Grove Minerals are well trained in feeding and care of livestock and they are competent in giving advice to those who seek it. Sometimes a change in feed, alone, will give improved results. In the Marshalltown, Iowa, area satisfied customers include Earl Doud and Son, J. T. McCubbin, Lawrence Beck, Glen Lowry, Morrie Transberger, R. F. Parker and Newell Lynch. L. T. Hibbs is our representative in that territory.

WHEN ESTABLISHING a new seeding, there's always some question about the value of a nurse crop. In general, such a crop is recommended. The chief value lies in the fact that some return will be realized the first year. The growth of the new seeding will be retarded, but the nurse crop usually germinates more quickly than the grass seeding, thus holding the soil more firmly in place and enabling the tiny, hair-like roots to develop.

THERE'LL BE MANY improvements made around the farm the next few years, but one of the first should be to provide a few conveniences for the good wife. Installation of running water in the home would save carrying 20 to 30 tons of water each year for kitchen use only. Figured another way, it would take 30 eight-hour days a year to do this amount of work by hand. Most folks would find this improvement would do more than merely save the time and energy wasted, too.

HOUSING TROUBLES have plagued farm and city folks alike. One Illinois farm couple, however, thought for a time they had solved their problem, but at last report they were still looking. They expected to buy a large estate for back taxes and other claims. And they might have closed the deal for the 44-room house, swimming pool and bowling green that went with the 196 acres, but the lien on the property totaled $900,000.

IN NORTHEASTERN IOWA farmers probably don't raise as much livestock as in other sections, but they do know and use good minerals. Around the town of Lansing, Walnut Grove Minerals are very popular. Included in our list of customers we find Harold Ashbacher, Guy Headington, Robert Hartly, Lewis Ebner, Leo Welch and Herbert Buntrock. These men obtain their service from our representative, Reuben Leppert.

170 PEDIGREED PIGS from the state of California are on their way to the Philippine Islands, where they will become the foundation for the re-establishment of the swine industry destroyed there by the war. The ship carrying these high-style porkers was equipped with special hygienic pens. They didn't have to worry about steerage quarters—they all traveled first class.

BETWEEN BIRTH AND WEANING, we experience one of the most important periods in the lives of baby pigs. If the litter gets off to a good start, they should be market-toppers six months later. However, to insure that kind of a start, the brood sow must produce an abundance of milk. And the best way to keep a litter free of runts is to provide properly balanced rations to the nursing sow.

BEN SPORKMAN, who has lived down in southeastern Iowa in Lee county all of his life, is the Walnut Grove representative in a territory where our minerals are well and favorably known. He feeds Walnut Grove to his own livestock and he supplies his neighbors and friends with our complete mineral service. Among the many customers there, we find Alphonse Moeller, Welford Moeller, H. H. Menke, John Holtkamp, Alfred Denning, John Shinstock and Emerich Moeller.

IF ALL THE EGGS laid in Iowa were thrown together, they would make a big omelet. If they were all fried sunny-side up, they would make a blanket big enough to cover the city of Chicago. This is another way of illustrating the importance of the poultry business in this state. The hens of Iowa lay seven per cent of all the eggs consumed in America. That's why raising poultry is a business and more than a sideline on any farm.

HERE'S THE STORY of a horse who had a hobby. Some say it's a hoax, others swear it's true. However, no one will ever know for sure because the old horse is dead. He never relished hay, so he'd chop it into short lengths and lace it into bales the size of watermelons. Folks thought he was lonesome, doing this to pass the time of day. Still, a Wisconsin museum honors his memory with a display of the work done by this one-horse hay-baler.

Walnut Grove Minerals

FOR PROFITABLE GAINS WITH HOME GROWN GRAINS

SOLD ONLY BY *DEPENDABLE REPRESENTATIVES*

★ HOME OFFICE ATLANTIC, IOWA

Market Hog Show Winners

The Iowa State Spring Market Hog Show, at Cedar Rapids, March 22, brought out more than 100 pens of barrows. The show was a strong one and provided concrete evidence that the fall barrows can be just as good as spring farrowed pigs.

The four judges, two of them packer buyers and two animal husbandrymen from Iowa State College, called the lightweight barrow show one of the best they had ever seen. Judges were Prof. A. L. Anderson, E. L. Quaife, Allen Nash and Don Britton.

Awards in the open classes were as follows:

Light-weight barrow—1, Theo Meyer, Marengo; 2, Ed Forest, Mt. Vernon; 3, W. W. Woods & Son, Mechanicsville; 4, Lyle Haring, DeWitt; 5, John Weber, Raymond.

Heavy-weight barrow—1, Louis F. Ruess & Son, West Liberty; 2, Henry Dickinson, Sabula; 3, Knotek Bros., Riverside; 4, Henderson Farms, Coin; 5, Ruhl Maulsby, Rockwell City.

Light-weight pen—1, Forest; 2, Albert Kemper, Montpelier; 3, Meyer; 4, Bonnie Acres, Holstein.

Heavy-weight pen — 1, Dickinson; 2, Ruess; 3, C. M. & A. M. McDonald, Delhi; 4, Maulsby; 5, Knotek Bros.

Entries in the junior show were not divided into weight classes. Winners were: 1, Donald SyWassink, Muscatine; 2, Charles Harrington, DeWitt; 3, Richard W. Willholt, Batavia; 4, Lester Orr, West Liberty; 5, Clifford Eckerman, Davenport.

Junior pens—1, SyWassink; 2, Donald Cain, West Liberty.

Grand champion barrow, Meyer; reserve champion barrow, Forest. Grand champion pen, Forest; reserve champion pen, Dickinson.

Livestock News

The Iowa Royal Shorthorn show and sale, Des Moines, Iowa, March 18 and 19, brought out a large crowd of cattle men interested in better Shorthorn cattle. The awards were made on March 18 by Harry Ackerman and James Napier. Charles Garden, manager, and Malcolm Lomas, president, worked hard to make the event successful. The grand champion bull was Prince William 8th, from the Ben G. Studer herd, Wesley, Iowa, and sold for $1,000 to T. W. Gavin, Monmouth, Ill. Crocus King was reserve champion. He was shown by W. C. Anderson & Son, West Liberty, Iowa, and sold for $975 to Connie Hanson, Columbia, S. D. Prince William 16th, another Studer bull, went for $1,000 to C. E. Stuart, Rose Hill, Iowa. Royal Count 4th, from the herd of Henry Rathouz, Callender, Iowa, sold for $860 to S. S. Davis & Sons, Wadena, Iowa. Millvale Sunlight, from the Ted W. Miles herd, brought $950, and was purchased by Chris Aldinger, Ackley, Iowa. The champion female was Starlight, a daughter of Braelodge Headlight. She was owned by Mrs. T. E. Gookin, Chariton, Iowa, and sold for $750 to Ben G. Studer, Wesley, Iowa. The reserve champion was Blinkbonny 70th, a January heifer shown by A. P. Lyon, Swan, Iowa, and went for $485 to Stevenson & Son, Knoxville, Iowa. The top of the sale was Secret Huna 8th, a daughter of Prince William and shown by Ben G. Studer. She brought $1,000, and went to Price & Buch, Clarinda, Iowa. Secret Huna 9th, from the same herd, sold for $900 to Carl A. Henkel, Mason City, Iowa. The 36 bulls averaged $481, with 47 females at $373 and 83 lots at a general average of $406. Auctioneer, J. E. Halsey.

The annual spring Shorthorn sale, at Abingdon, Ill., March 21, under the able management of Hal Longley, brought out a fine lot of cattle. The large pavilion was filled to capacity. The top of the sale was W. L. Impression 2d, from the W. C. Anderson & Son herd, and sold for $1,500 to John J. Courtade, Traverse City, Mich. Accent's Clipper, also from the Anderson herd, sold for $500 to Wm. J. Dunham, New Salem, Ill. Bugler Cumberland, from Oakdale Farm, brought $500 and went to Ed Dunbar, Galva, Ill. The top female was Volumnia 9th, another Anderson entry. She sold for $610 to Hawthornre & Anderson, Galesburg, Ill. Edellyn Augusta 23d, from the Edellyn Farms, went to Hawthorn & Anderson at $505. Sni-A-Bar Blossom 2d, owned by Marellbar Farm, tied for top female at $610, and was purchased by McCann & Holden, Normal, Ill. The 34 bulls averaged $367, with 55 females at $296 each, and the 89 lots sold for $28,745, a general average of $323. Auctioneer, J. E. Halsey.

The Chester White brood sow sale of Roy V. Copp, at Glidden, Iowa, on February 13, was one of the best sales of the winter season, and he sold 54 head at an average of $139. The top of the sale was No. 3, and she went to Sexton & Son, Rockwell City, Iowa, at $360. No. 1 was taken by Robt. Naefke, Clarion, Iowa, at $265. No. 141 went to Sexton & Son at $225; No. 2 to August Hansen, Farnhamville, Iowa, at $195; No. 6 to Soren P. Peterson, Exira, Iowa, at $175; No. 16 to Chester Gulikson, Bath, S. D., at $160; No. 37 to Albert Rensvold, Gardner, N. Dak., at $155; No. 18 to Carl Heinz, Dawson, Iowa, at $160. The remainder sold at from $102 to $160. It was a great offering, and it was the highest average that Mr. Copp has ever made. Col. J. E. Halsey did the selling.

The Tank Truck

24 Years Without a Breakdown!

That's the record set by George Rust—seen here with Ralph Huber—on his 180-acre farm near Crown Point, Indiana. Mr. Rust purchased his first Conoco products from Ralph's father back in 1922—and has never had a breakdown from faulty lubrication in all that time! Mr. Rust owns two tractors, an International truck, a corn picker, a corn shredder, a binder, a threshing machine, a spraying machine, a hay-baler and a car—and all are 100% on Conoco fuels and lubricants!

From Conoco's Laboratories: Improved Oil!

In the laboratories of Continental Oil Company, Conoco research scientists and engineers work endlessly to develop better fuels and lubricants—and out of those laboratories has come a great motor oil.

It's Conoco N*th* motor oil—based on a remarkable ingredient that uses the force of *molecular attraction* to bond lubricant to engine parts. So close is this bond that cylinder walls and other fine-finished surfaces are actually OIL-PLATED!

Because OIL-PLATING can't all drain down to the crankcase—even overnight—working surfaces are protected right around the clock . . . from severe wear in starting "dry," from excessive wear in running, and even from the corrosive wear caused by combustion acids always left when any engine stops!

Ask Your Conoco Agent to show you how N*th* motor oil will OIL-PLATE your engine—or ask any of your neighbors who use N*th* oil what *they* think of OIL-PLATING and its effect on day-to-day operations. Call Your Conoco Agent soon. There's no obligation. Continental Oil Company

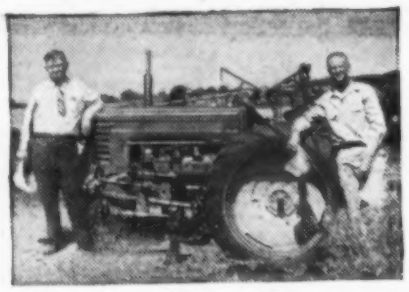
Annie Lee Wheeler to Conduct New FARM KITCHEN

Here's a farm wife we'd like all our readers to meet. She's Mrs. Annie Lee Wheeler, and in addition to helping operate a 560-acre wheat and cattle ranch, she has served as Conoco's Home Economist for 27 years!

In her new column for farm wives, Mrs. Wheeler will publish her favorite recipes—she'd be happy to publish some of yours, too! Mrs. Wheeler will choose what she thinks are the best recipes sent in, test them in Conoco's own kitchens, and award $5.00 for every recipe selected for publication here. Send your recipes direct to: Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma.

FARM KITCHEN
$5.00 for your favorite recipe!

How a 20-YEAR "Partnership" Saves Money!



S. D. Spurlock, of Brownwood, Texas, has bought Conoco products from "Uncle Bob" Parker for 20 years—a "partnership" that has saved a lot of money! Mr. Spurlock writes: "I have never had any bearing trouble or motor breakdowns. Your N*th* motor oil stands up better and holds its body longer . . . my old tractor keeps running right along, and without breakdowns I know that I am saving money."

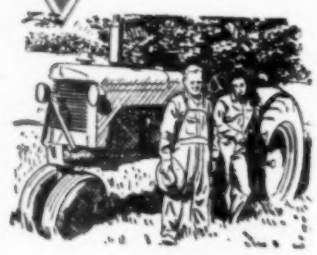
YOUR CONOCO AGENT

Saves Money Using Better Fuel!

Here's a farmer who has learned how to save a *lot* of money by spending a *little* extra! He's J. N. Williams, seen here with his son, Everett. Mr. Williams operates four tractors on his 1,400 acres near Chillicothe, Missouri. He writes:

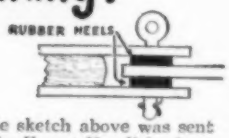
"Have been using Conoco products exclusively for five years and am using Conoco N-Tane gasoline in the tractors instead of cheaper fuels. By using . . . N-Tane gasoline . . . am able to make a saving in operation costs. In using gasoline there is no pre-heating of the tractor necessary, so that I have the full amount of power at once. In using cheaper fuels they do not burn up cleanly, and go by the rings down into the crankcase, and it is necessary to add oil and also to change the oil more often."

CONOCO



Pail Holder for Easier Milking!

Jay Pfaff of Randolph, Kansas, devised the milk-pail holder seen here, making it from a larger pail cut out with tin shears. With the milk pail held up close, there is less chance of contamination or of tipping the pail.



The sketch above was sent in by Ernest Kondicka from Penelope, Texas. It shows a method of eliminating noise in a trailer hitch.

DOLLARS FOR IDEAS! Ideas are worth money. Send your original ideas to *The Tank Truck* in care of this paper—and get $5.00 for every one that's printed.